pbhlth project (Jin Kweon, Jiyoon Clover Jeong)

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Download data

Data: https-//www.kaggle.com/artimous/complete-fifa-2017-player-dataset-global

```
soccer <- read.csv("FullData.csv", header = T)

head(soccer)
```

```
##                Name Nationality National_Position National_Kit
## 1 Cristiano Ronaldo    Portugal                LS            7
## 2      Lionel Messi   Argentina                RW           10
## 3            Neymar      Brazil                LW           10
## 4       Luis Suárez     Uruguay                LS            9
## 5      Manuel Neuer     Germany                GK            1
## 6            De Gea       Spain                GK            1
##             Club Club_Position Club_Kit Club_Joining Contract_Expiry
## 1    Real Madrid            LW        7   07/01/2009            2021
## 2   FC Barcelona            RW       10   07/01/2004            2018
## 3   FC Barcelona            LW       11   07/01/2013            2021
## 4   FC Barcelona            ST        9   07/11/2014            2021
## 5      FC Bayern            GK        1   07/01/2011            2021
## 6 Manchester Utd            GK        1   07/01/2011            2019
##   Rating Height Weight Preffered_Foot Birth_Date Age Preffered_Position
## 1     94 185 cm  80 kg          Right 02/05/1985  32              LW/ST
## 2     93 170 cm  72 kg           Left 06/24/1987  29                 RW
## 3     92 174 cm  68 kg          Right 02/05/1992  25                 LW
## 4     92 182 cm  85 kg          Right 01/24/1987  30                 ST
## 5     92 193 cm  92 kg          Right 03/27/1986  31                 GK
## 6     90 193 cm  82 kg          Right 11/07/1990  26                 GK
##         Work_Rate Weak_foot Skill_Moves Ball_Control Dribbling Marking
## 1      High / Low         4           5           93        92      22
## 2 Medium / Medium         4           4           95        97      13
## 3   High / Medium         5           5           95        96      21
## 4   High / Medium         4           4           91        86      30
## 5 Medium / Medium         4           1           48        30      10
## 6 Medium / Medium         3           1           31        13      13
##   Sliding_Tackle Standing_Tackle Aggression Reactions Attacking_Position
## 1             23              31         63        96                 94
## 2             26              28         48        95                 93
## 3             33              24         56        88                 90
## 4             38              45         78        93                 92
## 5             11              10         29        85                 12
## 6             13              21         38        88                 12
##   Interceptions Vision Composure Crossing Short_Pass Long_Pass
## 1            29     85        86       84         83        77
## 2            22     90        94       77         88        87
## 3            36     80        80       75         81        75
```

```
## 4            41     84        83       77         83        64
## 5            30     70        70       15         55        59
## 6            30     68        60       17         31        32
##   Acceleration Speed Stamina Strength Balance Agility Jumping Heading
## 1           91    92      92       80      63      90      95      85
## 2           92    87      74       59      95      90      68      71
## 3           93    90      79       49      82      96      61      62
## 4           88    77      89       76      60      86      69      77
## 5           58    61      44       83      35      52      78      25
## 6           56    56      25       64      43      57      67      21
##   Shot_Power Finishing Long_Shots Curve Freekick_Accuracy Penalties
## 1         92        93         90    81                76        85
## 2         85        95         88    89                90        74
## 3         78        89         77    79                84        81
## 4         87        94         86    86                84        85
## 5         25        13         16    14                11        47
## 6         31        13         12    21                19        40
##   Volleys GK_Positioning GK_Diving GK_Kicking GK_Handling GK_Reflexes
## 1      88             14         7         15          11          11
## 2      85             14         6         15          11           8
## 3      83             15         9         15           9          11
## 4      88             33        27         31          25          37
## 5      11             91        89         95          90          89
## 6      13             86        88         87          85          90
```

Dictionary

For more information, please refer to "https://www.fifaindex.com/."

```r
name <- c()
cat <- c()
description <- c()


dic <- data.frame(
  name <- colnames(soccer),
  cat <- c("categorical", "categorical", "categorical", "continuous", "categorical", "categorical",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
```

```
           "categorical", "continuous", "continuous", "categorical", "categorical", "categorical",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
           "continuous", "continuous", "continuous", "continuous", "continuous", "continuous",
           "continuous", "continuous", "continuous", "continuous", "continuous"
           ),
  description <- c("player's name", "player's nationality",
"Empty for retired or not playing this year.
CAM: center attacking midfielder.
CB: center back.
CDM: center defensive midfielder.
CM: center midfielder.
GK: goalkeepr.
LAM: left attacking midfielder.
LB: left back.
LCB: left center back.
LCM: left center midfielder.
LDM: left defensive midfielder.
LF: left forward.
LM: left midfielder.
LS: left stricker.
LW: left wing midfielder/forward.
LWB: left wing back.
RAM: right attacking midfielder.
RB: right back.
RCB: right center back.
RCM: right center midfielder.
RDM: rifght defensive midfielder.
RF: right forward.
RM: right midfielder.
RS: right stricker.
RW: right wing midfielder/forward.
RWB: right wing back.
ST: stricker.
Sub: substitution",
                   "national kit number",
                   "club players belong to",
                   "club positions (it might be different with national position)",
                   "club kit number",
                   "when players join the current club with date, month, and year",
                   "contract expiration year",
                   "current rating at Fifa17",
                   "players' heights in cm",
                   "players' weights in kg",
                   "players' preferred foot",
                   "players' birth date",
                   "players' ages",
                   "players' preferred positions (it might be different with their positions)",
                   "players' general work rate for each game (High, Med, Low)",
                   "how bad their weak foot is from 1 to 5 (1 is bad)",
                   "how skillful the players are from 1 to 5",
```

```
                    "how good the players are at controlling ball from 1 to 100",
                    "how good the players are at dribbling ball from 1 to 100",
                    "how good the players are at marking/defensing opponents from 1 to 100",
                    "how good the players are at sliding tackle opponents from 1 to 100",
                    "how good the players are at standing tackel opponents from 1 to 100",
                    "how players defense with auto tackles with good strength from 1 to 100",
                    "how fast players react with the ball from 1 to 100",
                    "how players position and move wisely from 1 to 100",
                    "how players intercept ball from oponents from 1 to 100",
                    "how wide players' visions are from 1 to 100",
                    "how stable players are with lots of pressures from 1 to 100",
                    "how players are good at crossing to their teammates from 1 to 100",
                    "how players are good at passing to nearby teammates from 1 to 100",
                    "how players are good at passing to far-away teammates from 1 to 100",
                    "how good players are at acceleration from 1 to 100",
                    "how usually fast players are from 1 to 100",
                    "players' stamina from 1 to 100",
                    "players' strength when players fight for a ball from 1 to 100",
                    "how good players balance without falling down or losing the ball from 1 to 100",
                    "how quick their instant movement is from 1 to 100",
                    "how good at jumping from 1 to 100",
                    "how good at heading from 1 to 100",
                    "how powerful players can shoot from 1 to 100",
                    "how good at scoring when players shoot from 1 to 100",
                    "how good at shooting with far distance from 1 to 100",
                    "how good at curving the ball when shooting from 1 to 100",
                    "how accurate players can shoot for freekick from 1 to 100",
                    "how successful players are for penalty shot from 1 to 100",
                    "how good at volley shot from 1 to 100",
                    "how good at positioning for GK from 1 to 100",
                    "how good at diving for GK from 1 to 100",
                    "how good at kicking/passing for GK from 1 to 100",
                    "how good at handling the ball for GK from 1 to 100",
                    "how fast they can react for GK from 1 to 100"
                    )
  )
colnames(dic) <- c("name", "type", "description")

#write.csv(dic, file = "/Users/yjkweon24/Desktop/Cal/2017 Fall/PB HLTH 245/Project/dictionary.csv")
```

Inspect data1

```
NAidx <- c(0)
Blidx <- c(0)

# frameNA <- data.frame(0)
# frameBl <- data.frame(0)

# Check NA rows
for(i in 1:ncol(soccer)){

  cat("names of NA rows of", colnames(soccer)[i], "\n")

  #NAdix <- rownames(soccer)[is.na(soccer[,i])]
  #frameNA[, rownames(soccer)[i]]<- NAdix

  cat(rownames(soccer)[is.na(soccer[,i])], "\n")
  cat("Number of NA :  ", length(rownames(soccer)[is.na(soccer[,i])]),"\n")
  print("========================================")


  cat("names of rows contain missing values ", colnames(soccer)[i], "\n")
  #Blidx <- rownames(soccer[which(soccer[,i] == ""),])
  #frameNA[, rownames(soccer)[i]]<- Blidx
  cat(rownames(soccer[which(soccer[,i] == ""),]), "\n")
  cat("Number of Missing values :  ", length(rownames(soccer[which(soccer[,i] == ""),])), "\n")
  print("========================================")
}
```

```
## names of NA rows of Name
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Name
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Nationality
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Nationality
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of National_Position
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  National_Position
```

```
## 9 13 19 22 29 31 36 39 41 47 59 61 62 63 64 67 68 71 74 75 80 82 86 89 90 91 96 99 100 104 105 106 1
## Number of Missing values :   16513
## [1] "========================================"
## names of NA rows of National_Kit
## 9 13 19 22 29 31 36 39 41 47 59 61 62 63 64 67 68 71 74 75 80 82 86 89 90 91 96 99 100 104 105 106 1
## Number of NA :   16513
## [1] "========================================"
## names of rows contain missing values  National_Kit
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Club
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Club
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Club_Position
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Club_Position
## 384
## Number of Missing values :   1
## [1] "========================================"
## names of NA rows of Club_Kit
## 384
## Number of NA :   1
## [1] "========================================"
## names of rows contain missing values  Club_Kit
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Club_Joining
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Club_Joining
## 384
## Number of Missing values :   1
## [1] "========================================"
## names of NA rows of Contract_Expiry
## 384
## Number of NA :   1
## [1] "========================================"
## names of rows contain missing values  Contract_Expiry
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Rating
##
## Number of NA :   0
```

```
## [1] "========================================="
## names of rows contain missing values  Rating
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Height
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Height
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Weight
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Weight
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Preffered_Foot
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Preffered_Foot
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Birth_Date
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Birth_Date
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Age
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Age
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Preffered_Position
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Preffered_Position
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Work_Rate
```

```
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Work_Rate
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Weak_foot
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Weak_foot
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Skill_Moves
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Skill_Moves
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Ball_Control
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Ball_Control
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Dribbling
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Dribbling
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Marking
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Marking
##
## Number of Missing values :   0
## [1] "========================================"
## names of NA rows of Sliding_Tackle
##
## Number of NA :   0
## [1] "========================================"
## names of rows contain missing values  Sliding_Tackle
##
## Number of Missing values :   0
```

```
## [1] "========================================="
## names of NA rows of Standing_Tackle
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Standing_Tackle
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Aggression
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Aggression
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Reactions
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Reactions
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Attacking_Position
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Attacking_Position
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Interceptions
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Interceptions
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Vision
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Vision
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Composure
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Composure
```

```
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Crossing
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Crossing
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Short_Pass
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Short_Pass
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Long_Pass
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Long_Pass
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Acceleration
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Acceleration
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Speed
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Speed
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Stamina
##
## Number of NA :   0
## [1] "======================================="
## names of rows contain missing values  Stamina
##
## Number of Missing values :   0
## [1] "======================================="
## names of NA rows of Strength
##
## Number of NA :   0
```

```
## [1] "========================================="
## names of rows contain missing values  Strength
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Balance
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Balance
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Agility
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Agility
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Jumping
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Jumping
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Heading
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Heading
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Shot_Power
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Shot_Power
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Finishing
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Finishing
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Long_Shots
```

```
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Long_Shots
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Curve
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Curve
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Freekick_Accuracy
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Freekick_Accuracy
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Penalties
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Penalties
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of Volleys
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  Volleys
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of GK_Positioning
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  GK_Positioning
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of GK_Diving
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  GK_Diving
##
## Number of Missing values :   0
```

```
## [1] "========================================="
## names of NA rows of GK_Kicking
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  GK_Kicking
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of GK_Handling
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  GK_Handling
##
## Number of Missing values :   0
## [1] "========================================="
## names of NA rows of GK_Reflexes
##
## Number of NA :   0
## [1] "========================================="
## names of rows contain missing values  GK_Reflexes
##
## Number of Missing values :   0
## [1] "========================================="
```

Inspect data2

```r
#Show the categories of the position
levels(soccer$Club_Position)
```

```
##  [1] ""    "CAM" "CB"  "CDM" "CF"  "CM"  "GK"  "LAM" "LB"  "LCB" "LCM"
## [12] "LDM" "LF"  "LM"  "LS"  "LW"  "LWB" "RAM" "RB"  "RCB" "RCM" "RDM"
## [23] "Res" "RF"  "RM"  "RS"  "RW"  "RWB" "ST"  "Sub"
```

```r
#Show the counts for each position
count(soccer, "Club_Position")
```

```
##    Club_Position freq
## 1                   1
## 2            CAM  315
## 3             CB   83
## 4            CDM  119
## 5             CF    4
## 6             CM   79
## 7             GK  632
## 8            LAM   36
## 9             LB  549
## 10           LCB  631
## 11           LCM  354
## 12           LDM  266
## 13            LF   12
## 14            LM  414
```

```
## 15            LS  205
## 16            LW  133
## 17           LWB   45
## 18           RAM   36
## 19            RB  548
## 20           RCB  633
## 21           RCM  353
## 22           RDM  266
## 23           Res 3146
## 24            RF   12
## 25            RM  414
## 26            RS  206
## 27            RW  133
## 28           RWB   45
## 29            ST  426
## 30           Sub 7492
```

```r
#Find the row where no position shown
which(soccer$Club_Position == "")
```

```
## [1] 384
```

```r
soccer$Club_Position[which(soccer$Club_Position == "")] <- "ST"

#Find the row where Sub and Res position and their national positions
subposition <- which(soccer$Club_Position == "Sub")
resposition <- which(soccer$Club_Position == "Res")

soccer$National_Position[subposition]
```

```
##    [1] RCB                 RCB     Sub     CB      Sub                 RB
##   [18] RM  LCM RCB LM  CM  LCB CDM         LCM ST  GK                  Sub
##   [35]                                 Sub             LDM RB  RCM RCB
##   [52]         RB  Sub Sub Sub                     Sub Sub         Sub
##   [69] Sub         LDM         LCM
##   [86]                             GK  RB                          Sub
##  [103]         CAM                         Sub
##  [120] Sub             Sub         Sub         CAM     RCM Sub
##  [137]                 ST  Sub             Sub                     RS
##  [154]         Sub                                                     Sub
##  [171]                                GK          GK
##  [188]         RM              Sub Sub                             Sub Sub
##  [205] RCB LCB     Sub                 RM                  RCM
##  [222]                     Sub                     Sub             CAM
##  [239] RCM         LCB     Sub             CAM             Sub
##  [256]                             Sub Sub ST                          Sub
##  [273]     RDM             LDM
##  [290]                 Sub     Sub Sub                         Sub
##  [307] LCM                 LAM                     RCB         Sub     Sub
##  [324] Sub                         LS              Sub             ST
##  [341]                                RM  Sub
##  [358]                                                                 Sub
##  [375] CAM         Sub RS
##  [392]                                     Sub LCB
##  [409]                                     LB
```

```
##  [426]
##  [443]                             RM                                RB
##  [460]             Sub
##  [477]                     Sub                         Sub             RCB
##  [494]     Sub                 Sub         LCB     Sub RW
##  [511]                                             Sub
##  [528]             Sub
##  [545]                                                 RS
##  [562]                                     Sub
##  [579]                                     RB
##  [596]                                         Sub
##  [613]         LB
##  [630]                                             Sub         RM
##  [647]
##  [664]             GK  LCB                                         Sub
##  [681]
##  [698]                         RB      Sub     CAM
##  [715]                                                         ST
##  [732]                                 Sub                 CB  Sub
##  [749]                             LCM         ST              RCB
##  [766]             LB                                                  RCB
##  [783]                     Sub Sub                 ST
##  [800]         RB                                      LS
##  [817]                                                     RCM Sub
##  [834]
##  [851]                                         Sub
##  [868]                                         LAM
##  [885]                                                             Sub
##  [902]                                 Sub             Sub         LM
##  [919]                             Sub
##  [936]             Sub LCM
##  [953]                     LCB Sub
##  [970]         Sub Sub             Sub
##  [987]                                 LCB     CM  Sub
## [1004]                             RCB     Sub
## [1021]                                                         Sub
## [1038]                         RCB             Sub
## [1055]
## [1072]     Sub                                                 Sub
## [1089]
## [1106]                     RDM
## [1123]
## [1140]                     RB
## [1157]
## [1174]                     RAM                             RS      Sub
## [1191]                                                         Sub
## [1208]                                                     RM
## [1225]                 CM          LDM
## [1242]                     LW                                          Sub
## [1259]                     Sub
## [1276]         LCM
## [1293] Sub Sub                 Sub
## [1310]
## [1327]                                             Sub
```

```
## [1344]
## [1361]             LM  LS
## [1378]
## [1395]         RS                                  Sub
## [1412]
## [1429]                                                                 Sub
## [1446]         Sub
## [1463]
## [1480]                                                        Sub
## [1497]     RCB                         Sub                    GK
## [1514]
## [1531]                 Sub                 Sub
## [1548]
## [1565]                         LB  Sub
## [1582]         Sub             RS
## [1599]
## [1616]
## [1633]
## [1650]                                                            Sub
## [1667]                                                                Sub
## [1684]                                                    Sub
## [1701] LCB
## [1718]     RCB
## [1735]                                         Sub
## [1752]
## [1769]
## [1786]             Sub                                        LWB
## [1803]
## [1820]
## [1837]
## [1854]
## [1871]
## [1888]
## [1905]     ST
## [1922]
## [1939]
## [1956]
## [1973]                                     Sub
## [1990]
## [2007]
## [2024]
## [2041]
## [2058]             RCB
## [2075]
## [2092]
## [2109]                                             Sub
## [2126]                                             Sub
## [2143]
## [2160]
## [2177]
## [2194]
## [2211]
## [2228]
## [2245]
```

```
## [2262]
## [2279] LCB         RM                  LB                  LCB Sub
## [2296]
## [2313]
## [2330]
## [2347]             Sub
## [2364]                                 Sub
## [2381]
## [2398]         LB
## [2415]
## [2432]
## [2449]
## [2466]                                             RW
## [2483]
## [2500]
## [2517]
## [2534]
## [2551]                                 RB
## [2568]
## [2585]
## [2602]                             Sub
## [2619]                         Sub
## [2636]
## [2653]
## [2670]                             Sub
## [2687]
## [2704]
## [2721]
## [2738]
## [2755]
## [2772]                                             LS
## [2789]
## [2806]
## [2823]
## [2840]
## [2857]
## [2874]
## [2891]
## [2908]
## [2925]                     Sub
## [2942]
## [2959]
## [2976]
## [2993]
## [3010]
## [3027]                             RM
## [3044]
## [3061]                                                                 Sub
## [3078]                                                 LDM
## [3095]
## [3112]
## [3129]
## [3146]
## [3163] Sub
```

```
## [3180]
## [3197]                        Sub                                LS
## [3214]
## [3231]
## [3248]
## [3265]                            Sub
## [3282]                                                   Sub
## [3299]
## [3316]                                             Sub
## [3333]
## [3350]
## [3367]
## [3384]
## [3401]
## [3418]
## [3435]
## [3452]             Sub
## [3469]
## [3486]
## [3503]
## [3520]
## [3537]
## [3554]
## [3571]                                                   GK
## [3588]
## [3605]
## [3622]
## [3639]
## [3656]                            Sub
## [3673]
## [3690]
## [3707]
## [3724]                                                       LB
## [3741]
## [3758]
## [3775]
## [3792]                                                           Sub
## [3809]
## [3826]                 Sub Sub
## [3843]
## [3860]
## [3877]
## [3894]
## [3911]
## [3928]
## [3945]
## [3962]
## [3979]                                        LB
## [3996]
## [4013]
## [4030]
## [4047]                                        GK
## [4064]                                                       LM
## [4081]
```

```
## [4098]
## [4115]
## [4132]
## [4149]
## [4166]                                    RCM
## [4183]                                            Sub
## [4200]
## [4217]
## [4234]
## [4251]
## [4268]
## [4285]
## [4302]
## [4319]
## [4336]
## [4353]
## [4370]
## [4387]                                                    RCM
## [4404]
## [4421]
## [4438]
## [4455]
## [4472]
## [4489]
## [4506]
## [4523]
## [4540]
## [4557]
## [4574]
## [4591]
## [4608]
## [4625]
## [4642]
## [4659]
## [4676]
## [4693]
## [4710]
## [4727]                    Sub
## [4744]
## [4761]
## [4778]
## [4795]
## [4812]                                                Sub
## [4829]
## [4846]
## [4863]
## [4880]
## [4897]
## [4914]
## [4931]                                                Sub
## [4948]
## [4965]
## [4982]
## [4999]
```

```
## [5016]                                                  LM
## [5033]
## [5050]
## [5067]
## [5084]
## [5101]
## [5118]
## [5135]
## [5152]
## [5169]
## [5186]
## [5203]
## [5220]
## [5237]
## [5254]
## [5271]
## [5288]
## [5305]
## [5322]
## [5339]
## [5356]
## [5373]
## [5390]
## [5407]
## [5424]
## [5441]
## [5458]                                                  Sub
## [5475]
## [5492]
## [5509]
## [5526]
## [5543]
## [5560]
## [5577]
## [5594]
## [5611]
## [5628]
## [5645]
## [5662]
## [5679]
## [5696]
## [5713]
## [5730]      Sub
## [5747]
## [5764]
## [5781]
## [5798]      Sub
## [5815]
## [5832]
## [5849]
## [5866]
## [5883]
## [5900]
## [5917]
```

```
## [5934]                                                                GK
## [5951]
## [5968]
## [5985]                                                                    Sub
## [6002]
## [6019]
## [6036]
## [6053]
## [6070]
## [6087]
## [6104]
## [6121]
## [6138]
## [6155]
## [6172]
## [6189]
## [6206]
## [6223]
## [6240]
## [6257]
## [6274]                                Sub
## [6291]
## [6308]
## [6325]
## [6342]
## [6359]
## [6376]
## [6393]
## [6410]
## [6427]
## [6444]
## [6461]
## [6478]
## [6495]
## [6512]
## [6529]
## [6546]
## [6563]
## [6580]
## [6597]
## [6614]
## [6631]
## [6648]
## [6665]
## [6682]
## [6699]
## [6716]
## [6733]
## [6750]
## [6767]
## [6784]
## [6801]
## [6818]
## [6835]
```

```
## [6852]
## [6869]
## [6886]
## [6903]
## [6920]
## [6937]
## [6954]
## [6971]
## [6988]
## [7005]
## [7022]
## [7039]
## [7056]
## [7073]
## [7090]
## [7107]
## [7124]
## [7141]
## [7158]
## [7175]
## [7192]
## [7209]
## [7226]
## [7243]
## [7260]
## [7277]
## [7294]
## [7311]
## [7328]
## [7345]
## [7362]
## [7379]
## [7396]
## [7413]
## [7430]
## [7447]
## [7464]
## [7481]
## 28 Levels:  CAM CB CDM CM GK LAM LB LCB LCM LDM LF LM LS LW LWB RAM ... Sub
```

```
soccer$National_Position[resposition]
```

```
##    [1]         Sub LCM     RCM             LCM             Sub
##   [18]     ST  CAM RM  LDM     Sub                 RCB
##   [35]         RAM                 RS  Sub CM                  RS      RM
##   [52] Sub             Sub     Sub Sub     RCM             RB          Sub
##   [69]             GK                  GK  Sub Sub Sub                 Sub
##   [86] LCB Sub                                 LCB LS  Sub RM      Sub LM
##  [103] Sub                 Sub         Sub         RCB     ST      Sub
##  [120] Sub     Sub                                     Sub         GK  Sub
##  [137]     Sub             Sub             LCB LB  Sub         LCM
##  [154]                             CB  Sub Sub LDM
##  [171] Sub         Sub                         Sub             Sub Sub Sub
##  [188]                                     Sub
##  [205]                     Sub Sub CAM Sub     LCB
```

```
##  [222]     Sub                 Sub                     LB  Sub
##  [239]         Sub         Sub     Sub         Sub ST          Sub     LWB
##  [256]             LCM             Sub                 Sub Sub CAM     GK
##  [273]                         Sub
##  [290] Sub                         Sub                                 RB
##  [307]             Sub     GK                                      Sub RDM
##  [324]                             LB
##  [341]     Sub     Sub                 Sub                     Sub
##  [358]                 Sub         LCB                                 RB
##  [375]                                             Sub Sub Sub
##  [392]                                                         Sub
##  [409]                     Sub                 RCB
##  [426]                         Sub                 RB              CAM
##  [443]                             Sub             RM          Sub     LDM
##  [460]                                             Sub             Sub
##  [477]                                     LCB         LCB LCB         Sub
##  [494]             LM                                          GK
##  [511]                                         RCB         ST
##  [528]                                                         Sub
##  [545]     LCB                         RS                          Sub
##  [562]     Sub         LB  LS  Sub
##  [579]                                                     Sub     Sub
##  [596]
##  [613]
##  [630]                             RCM                     Sub
##  [647]     LDM                                 Sub
##  [664]             RCB
##  [681]                     Sub
##  [698]         Sub                     RCB                     Sub ST  Sub
##  [715]
##  [732]                                                     Sub Sub
##  [749]
##  [766]
##  [783]                 Sub LCM
##  [800] CM
##  [817]                                                 CDM             Sub
##  [834] Sub RCM
##  [851]
##  [868]                     Sub                 RB          Sub
##  [885]
##  [902]     Sub                                         Sub
##  [919]                                         Sub Sub
##  [936]
##  [953]
##  [970]
##  [987]
## [1004]
## [1021]                                             Sub                 Sub
## [1038]
## [1055]                                         Sub
## [1072]
## [1089]                                     Sub LB  Sub LCM
## [1106]                                                                 Sub
## [1123] Sub Sub                                                    LB
```

```
## [1140]                     Sub
## [1157]
## [1174]                         CM
## [1191]                     Sub
## [1208]
## [1225]                     Sub     Sub
## [1242]
## [1259]
## [1276]     Sub
## [1293]
## [1310]                     Sub
## [1327]                     Sub             RS
## [1344]                     GK
## [1361]
## [1378]
## [1395]             Sub             RB               RCB
## [1412]
## [1429]
## [1446]
## [1463]
## [1480]                                     LM
## [1497]
## [1514]
## [1531]
## [1548]             Sub Sub                                         Sub Sub
## [1565]
## [1582]
## [1599]                 LM
## [1616]
## [1633]                                                         Sub
## [1650]
## [1667]
## [1684]                                     Sub
## [1701]                             Sub
## [1718]
## [1735]                 Sub
## [1752]                                         Sub RB
## [1769]
## [1786]                                     LCB
## [1803]
## [1820]         Sub
## [1837]
## [1854]
## [1871]             Sub
## [1888]
## [1905]
## [1922]
## [1939]                                                     LCB
## [1956]         Sub                             Sub
## [1973]
## [1990]                 RM
## [2007]                         Sub
## [2024] Sub
## [2041]                 Sub
```

```
## [2058]
## [2075]         Sub Sub
## [2092]         Sub
## [2109]
## [2126]
## [2143]                                                 LDM
## [2160]
## [2177]                Sub RDM
## [2194]                                             RM              Sub
## [2211]                            LS                       Sub
## [2228]
## [2245]
## [2262]
## [2279]
## [2296]
## [2313]
## [2330]
## [2347]
## [2364]             LB
## [2381]
## [2398]
## [2415]
## [2432]
## [2449]
## [2466]
## [2483]
## [2500]
## [2517] LB
## [2534]                                     RB
## [2551]
## [2568]                                     Sub
## [2585]
## [2602]                                                         Sub
## [2619]
## [2636]
## [2653]
## [2670]                                                             Sub
## [2687]
## [2704]
## [2721]
## [2738]
## [2755]
## [2772]
## [2789]     Sub
## [2806]
## [2823]
## [2840]                     Sub                     Sub
## [2857]
## [2874]
## [2891]
## [2908]
## [2925]
## [2942]         Sub                                     Sub
## [2959]
```

```
## [2976]
## [2993]
## [3010]
## [3027]
## [3044]
## [3061]
## [3078]
## [3095]
## [3112]
## [3129]
## [3146]
## 28 Levels:  CAM CB CDM CM GK LAM LB LCB LCM LDM LF LM LS LW LWB RAM ... Sub
```

```r
length(subposition)
```

```
## [1] 7492
```

```r
length(resposition)
```

```
## [1] 3146
```

```r
#Bring national positions for those two positions to the club positions (modify data)
soccer$Club_Position <- as.character(soccer$Club_Position)
soccer$Club_Position[subposition] <- as.character(soccer$National_Position)[subposition]
soccer$Club_Position[resposition] <- as.character(soccer$National_Position)[resposition]

#Recheck sub and res position
length(which(soccer$Club_Position == "Sub"))
```

```
## [1] 271
```

```r
length(which(soccer$Club_Position == "Res"))
```

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

```r
subposition <- which(soccer$Club_Position == "Sub")
empty <- which(soccer$Club_Position == "")

length(subposition)
```

```
## [1] 271
```

```r
length(empty)
```

```
## [1] 10151
```

```r
soccer_positioncleaned <- soccer[-as.vector(subposition),]
soccer_positioncleaned <- soccer_positioncleaned[-as.vector(empty),]
soccer
```

```
##                                  Name           Nationality
## 1                   Cristiano Ronaldo              Portugal
## 2                        Lionel Messi             Argentina
## 3                              Neymar                Brazil
## 4                         Luis Suárez               Uruguay
## 5                        Manuel Neuer               Germany
## 6                              De Gea                 Spain
## 7                  Robert Lewandowski                Poland
## 8                         Gareth Bale                 Wales
```

```
## 9                  Zlatan Ibrahimović              Sweden
## 10                   Thibaut Courtois             Belgium
## 11                     Jérôme Boateng             Germany
## 12                        Eden Hazard             Belgium
## 13                        Luka Modrić             Croatia
## 14                         Mesut Özil             Germany
## 15                    Gonzalo Higuaín           Argentina
## 16                       Thiago Silva              Brazil
## 17                       Sergio Ramos               Spain
## 18                      Sergio Agüero           Argentina
## 19                         Paul Pogba              France
## 20                  Antoine Griezmann              France
## 21                    Kevin De Bruyne             Belgium
## 22                         Marco Reus             Germany
## 23                     Alexis Sánchez               Chile
## 24                         Toni Kroos             Germany
## 25                       Diego Godín             Uruguay
## 26                      Mats Hummels             Germany
## 27                       Hugo Lloris              France
## 28                  Giorgio Chiellini               Italy
## 29                       Philipp Lahm             Germany
## 30                               Pepe            Portugal
## 31                          Petr Čech       Czech Republic
## 32                   Gianluigi Buffon               Italy
## 33                            Iniesta               Spain
## 34                          Jan Oblak            Slovenia
## 35                     James Rodríguez            Colombia
## 36          Pierre-Emerick Aubameyang               Gabon
## 37                   Leonardo Bonucci               Italy
## 38                       Arturo Vidal               Chile
## 39                       Ivan Rakitić             Croatia
## 40                        David Silva               Spain
## 41                   Samir Handanovič            Slovenia
## 42                               Piqué               Spain
## 43                       Arjen Robben         Netherlands
## 44                       Paulo Dybala           Argentina
## 45                     Marco Verratti               Italy
## 46                        David Alaba             Austria
## 47                  Henrikh Mkhitaryan             Armenia
## 48                          Bernd Leno             Germany
## 49                      Thomas Müller             Germany
## 50                     Sergio Busquets               Spain
## 51                             Thiago               Spain
## 52                         Jordi Alba               Spain
## 53                           Coutinho              Brazil
## 54                     Ángel Di María           Argentina
## 55                        Diego Costa               Spain
## 56                      Edinson Cavani             Uruguay
## 57                    Radja Nainggolan             Belgium
## 58                            Marcelo              Brazil
## 59                  Claudio Marchisio               Italy
## 60                            Miranda              Brazil
## 61                      Karim Benzema              France
## 62                      Cesc Fàbregas               Spain
```

```
## 63                    Franck Ribéry                France
## 64                    Santi Cazorla                 Spain
## 65                  Andrea Barzagli                 Italy
## 66                       Harry Kane               England
## 67               Alexandre Lacazette                France
## 68                      Keylor Navas            Costa Rica
## 69                     Romelu Lukaku               Belgium
## 70                 Christian Eriksen               Denmark
## 71                    İlkay Gündoğan               Germany
## 72                 Toby Alderweireld               Belgium
## 73                          Willian                Brazil
## 74                    Miralem Pjanić    Bosnia Herzegovina
## 75                         Juan Mata                 Spain
## 76                     Javi Martinez                 Spain
## 77                     Dimitri Payet                France
## 78                     Dries Mertens               Belgium
## 79                          Sokratis                Greece
## 80                      Marek Hamšik              Slovakia
## 81                    Blaise Matuidi                France
## 82                  Stéphane Ruffier                France
## 83                 Laurent Koscielny                France
## 84                       Filipe Luís                Brazil
## 85                   Vincent Kompany               Belgium
## 86                   Aymeric Laporte                France
## 87                  Yannick Carrasco               Belgium
## 88                          Carvajal                 Spain
## 89                     Riyad Mahrez               Algeria
## 90                    Raphaël Varane                France
## 91                      Mauro Icardi             Argentina
## 92                   Lorenzo Insigne                 Italy
## 93                              Isco                 Spain
## 94                              Koke                 Spain
## 95                    Kostas Manolas                Greece
## 96                   Danijel Subašić               Croatia
## 97                  Nicolás Otamendi             Argentina
## 98                  Shkodran Mustafi               Germany
## 99                     Nemanja Matić                Serbia
## 100                      Alex Sandro                Brazil
## 101                       Kamil Glik                Poland
## 102                     Douglas Costa                Brazil
## 103                   Kevin Strootman           Netherlands
## 104                    Nicolás Gaitán             Argentina
## 105                             Bruno                 Spain
## 106                      Ivan Perišić               Croatia
## 107                        David Luiz                Brazil
## 108                       Sami Khedira               Germany
## 109                  Benedikt Höwedes               Germany
## 110                     Ralf Fährmann               Germany
## 111                     Sergio Asenjo                 Spain
## 112                       Éver Banega             Argentina
## 113                     Medhi Benatia               Morocco
## 114                    Steve Mandanda                France
## 115                        Dani Alves                Brazil
## 116                        Arda Turan                Turkey
```

```
## 117                Javier Mascherano            Argentina
## 118                           Aduriz                Spain
## 119                       Yaya Touré          Ivory Coast
## 120                      Eric Bailly          Ivory Coast
## 121              José María Giménez              Uruguay
## 122                     N'Golo Kanté               France
## 123                  Gerónimo Rulli            Argentina
## 124                      João Mário             Portugal
## 125                     André Gomes             Portugal
## 126                      Marquinhos               Brazil
## 127                     Carlos Bacca             Colombia
## 128                 William Carvalho             Portugal
## 129                  Karim Bellarabi              Germany
## 130                  Raheem Sterling              England
## 131                   Julian Draxler              Germany
## 132                  Roberto Firmino               Brazil
## 133                      Marcos Rojo            Argentina
## 134                Kalidou Koulibaly              Senegal
## 135                   Danilo Pereira             Portugal
## 136                        Timo Horn              Germany
## 137                         Casemiro               Brazil
## 138                           Vitolo                Spain
## 139                    Anthony Lopes             Portugal
## 140                     Mattia Perin                Italy
## 141                       Joel Matip             Cameroon
## 142                    Juan Cuadrado             Colombia
## 143                       Iago Aspas                Spain
## 144            Marc-André ter Stegen              Germany
## 145                      Mario Götze              Germany
## 146                    Ander Herrera                Spain
## 147                   Javier Pastore            Argentina
## 148                   Chris Smalling              England
## 149                            Pedro                Spain
## 150              Giacomo Bonaventura                Italy
## 151                      Roman Bürki          Switzerland
## 152                            Oscar               Brazil
## 153                  Steven N'Zonzi               France
## 154                     Aaron Ramsey                Wales
## 155                  Mateo Musacchio            Argentina
## 156                      Ömer Toprak               Turkey
## 157                    José Callejón                Spain
## 158                     Adrien Silva             Portugal
## 159                      Azpilicueta                Spain
## 160                Sebastian Giovinco                Italy
## 161                   Anthony Modeste               France
## 162                  Mario Mandžukić              Croatia
## 163                     Adam Lallana              England
## 164                   Olivier Giroud               France
## 165                     Rui Patrício             Portugal
## 166                      Yann Sommer          Switzerland
## 167                            Jonas               Brazil
## 168                     Kévin Gameiro               France
## 169                     Claudio Bravo                Chile
## 170                  Łukasz Piszczek               Poland
```

```
## 171                    Jan Vertonghen              Belgium
## 172                     Asmir Begović   Bosnia Herzegovina
## 173                             Naldo               Brazil
## 174                  Daniel Sturridge              England
## 175                        José Fonte             Portugal
## 176                     Ezequiel Garay            Argentina
## 177                        Samir Nasri               France
## 178                        Gary Cahill              England
## 179                    Ashley Williams                Wales
## 180                    Leighton Baines              England
## 181                  Kasper Schmeichel              Denmark
## 182                        Borja Valero                Spain
## 183                     Hatem Ben Arfa               France
## 184                            Joe Hart              England
## 185                           Juanfran                Spain
## 186                    Wesley Sneijder          Netherlands
## 187                               Nani             Portugal
## 188                Stephan Lichtsteiner          Switzerland
## 189                       Wayne Rooney              England
## 190                   Daniele De Rossi                Italy
## 191                          José Reina               Spain
## 192                            Quaresma             Portugal
## 193                       Marco Asensio               Spain
## 194                      Bernardo Silva             Portugal
## 195                       Islam Slimani              Algeria
## 196                        Jonathan Tah              Germany
## 197                     Anthony Martial               France
## 198                           Dele Alli              England
## 199                             Ederson               Brazil
## 200                       Mohamed Salah                Egypt
## 201                          Sadio Mané              Senegal
## 202                       Lucas Vázquez                Spain
## 203                      Franco Vázquez                Italy
## 204                      Manu Trigueros                Spain
## 205                       Samuel Umtiti               France
## 206                        Stefan Savić           Montenegro
## 207                          Roque Mesa                Spain
## 208                        Loris Karius              Germany
## 209                 Alessandro Florenzi                Italy
## 210                     Virgil van Dijk          Netherlands
## 211                        Jack Butland              England
## 212                               Morata                Spain
## 213                                Lucas               Brazil
## 214                  Yevhen Konoplyanka              Ukraine
## 215                    Francesco Acerbi                Italy
## 216                               Nolito                Spain
## 217                        Granit Xhaka          Switzerland
## 218                      Stefan de Vrij          Netherlands
## 219                      Jonathan Viera                Spain
## 220                               Pizzi             Portugal
## 221                        Serge Aurier          Ivory Coast
## 222                  Grzegorz Krychowiak               Poland
## 223                          Kevin Kampl             Slovenia
## 224                        Dejan Lovren               Croatia
```

```
## 225                    Gary Medel                Chile
## 226                  Idrissa Gueye              Senegal
## 227                    Víctor Ruíz                Spain
## 228               Ricardo Rodríguez          Switzerland
## 229                 Xherdan Shaqiri          Switzerland
## 230                  Ciro Immobile                Italy
## 231                Nathaniel Clyne              England
## 232                         Iborra                Spain
## 233                  Jack Wilshere              England
## 234                  Shinji Kagawa                Japan
## 235                    Kevin Trapp              Germany
## 236                         Taison               Brazil
## 237                    Kyle Walker              England
## 238                         Marlos               Brazil
## 239                   Luiz Gustavo               Brazil
## 240                       Giuliano               Brazil
## 241               Gylfi Sigurðsson              Iceland
## 242                 Yacine Brahimi              Algeria
## 243               Marko Arnautović              Austria
## 244               Jordan Henderson              England
## 245               Orestis Karnezis               Greece
## 246                  Mamadou Sakho               France
## 247                      Adil Rami               France
## 248         Fernando Néstor Muslera              Uruguay
## 249                 Vedran Ćorluka              Croatia
## 250                     Edin Džeko   Bosnia Herzegovina
## 251                 Séamus Coleman  Republic of Ireland
## 252               Javier Hernández               Mexico
## 253                          Beñat                Spain
## 254                    Lars Bender              Germany
## 255                    Axel Witsel              Belgium
## 256             Morgan Schneiderlin               France
## 257                 Kevin Mirallas              Belgium
## 258                    Carlos Vela               Mexico
## 259               Emiliano Viviano                Italy
## 260               Antonio Valencia              Ecuador
## 261                 Gonzalo Castro              Germany
## 262                         Falcao             Colombia
## 263                    Diego Alves               Brazil
## 264                 Andrea Consigli                Italy
## 265                  João Moutinho             Portugal
## 266                 Moussa Dembélé              Belgium
## 267             Michael Krohn-Dehli              Denmark
## 268                    Loïc Perrin               France
## 269                   Lucas Biglia            Argentina
## 270                  Benoît Costil               France
## 271                    Raúl Albiol                Spain
## 272                    Mario Gómez              Germany
## 273                           Gabi                Spain
## 274                    Diego López                Spain
## 275                        Raffael               Brazil
## 276                 Alejandro Gómez            Argentina
## 277               Gonzalo Rodríguez            Argentina
## 278                 Vincent Enyeama              Nigeria
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## 279                          Kaká                Brazil
## 280                    Fernandinho                Brazil
## 281                    David Villa                 Spain
## 282                  Victor Valdés                 Spain
## 283                Per Mertesacker               Germany
## 284                   Patrice Evra                France
## 285                    Xabi Alonso                 Spain
## 286                Michael Carrick               England
## 287                   Andrea Pirlo                 Italy
## 288                       Casillas                 Spain
## 289                Ousmane Dembélé                France
## 290               Corentin Tolisso                France
## 291               Marcelo Brozović               Croatia
## 292          Federico Bernardeschi                 Italy
## 293                    Niklas Süle               Germany
## 294              Domenico Berardi                 Italy
## 295                 Morgan Sanson                France
## 296                Samu Castillejo                 Spain
## 297                  Adrien Rabiot                France
## 298                  Leon Goretzka               Germany
## 299                  Quincy Promes           Netherlands
## 300                 Andrea Belotti                 Italy
## 301                   Jonas Hector               Germany
## 302                  Mateo Kovačić               Croatia
## 303                    Sergio Rico                 Spain
## 304                    Oleg Shatov                Russia
## 305                       Jorginho                 Italy
## 306                Florian Thauvin                France
## 307                Michy Batshuayi               Belgium
## 308                 Iñigo Martínez                 Spain
## 309                           Suso                 Spain
## 310                       Deulofeu                 Spain
## 311                Felipe Anderson                Brazil
## 312               Jasper Cillessen           Netherlands
## 313             Wissam Ben Yedder                 France
## 314                   Lucas Pérez                 Spain
## 315                  Ross Barkley               England
## 316                Cédric Bakambu              DR Congo
## 317                         Bartra                 Spain
## 318                André Schürrle               Germany
## 319                Roberto Pereyra             Argentina
## 320                   Mario Gaspar                 Spain
## 321                Fabián Orellana                 Chile
## 322                Lukáš Hrádecký               Finland
## 323                   Daley Blind           Netherlands
## 324                     De Marcos                 Spain
## 325                  Wilfried Bony           Ivory Coast
## 326                     Iturraspe                 Spain
## 327                        Parejo                 Spain
## 328                Salomón Rondón             Venezuela
## 329                Daniel Carriço              Portugal
## 330                      Bas Dost           Netherlands
## 331                James McCarthy   Republic of Ireland
## 332                       Camacho                 Spain
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## 333                    Paulinho          Brazil
## 334                Alan Dzagoev          Russia
## 335               Igor Smolnikov         Russia
## 336                  Lars Stindl        Germany
## 337              Mario Balotelli          Italy
## 338            Wojciech Szczęsny         Poland
## 339               Nikola Kalinić        Croatia
## 340               Mikel San José          Spain
## 341            Christian Benteke        Belgium
## 342                 Marco Parolo          Italy
## 343               Ljubomir Fejsa         Serbia
## 344               Martín Cáceres        Uruguay
## 345          Georginio Wijnaldum    Netherlands
## 346               Federico Fazio      Argentina
## 347                   Simon Kjær        Denmark
## 348                    Loïc Rémy         France
## 349                 Miguel Layún         Mexico
## 350                         Adán          Spain
## 351           Benoît Trémoulinas         France
## 352                  Sven Bender        Germany
## 353             Mathieu Valbuena         France
## 354                        Bojan          Spain
## 355            Augusto Fernández      Argentina
## 356             Antonio Candreva          Italy
## 357                Davide Astori          Italy
## 358                  Raúl García          Spain
## 359           Giovani dos Santos         Mexico
## 360                  Erik Lamela      Argentina
## 361               Ryan Shawcross        England
## 362                   Danny Rose        England
## 363               Renato Augusto         Brazil
## 364                Martin Škrtel       Slovakia
## 365                 Theo Walcott        England
## 366                 Bacary Sagna         France
## 367                        Dante         Brazil
## 368                Salomon Kalou    Ivory Coast
## 369          André-Pierre Gignac         France
## 370               Lukas Podolski        Germany
## 371                      Negredo          Spain
## 372               Pablo Zabaleta      Argentina
## 373                  Darijo Srna        Croatia
## 374              Cédric Carrasso         France
## 375                 Rubén Castro          Spain
## 376               Jérémy Mathieu         France
## 377         Carlos Idriss Kameni       Cameroon
## 378                        Moyá          Spain
## 379      Rune Almenning Jarstein         Norway
## 380               Jermain Defoe        England
## 381                 Thiago Motta          Italy
## 382              Fernando Torres          Spain
## 383                  Júlio César         Brazil
## 384                Didier Drogba    Ivory Coast
## 385                       Danny       Portugal
## 386                   John Terry        England
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## 387                    Samuel Eto'o            Cameroon
## 388                           Tiago            Portugal
## 389                  Gelson Martins            Portugal
## 390                      Leroy Sané             Germany
## 391                     Julian Weigl            Germany
## 392                      Nabil Fekir             France
## 393               Jean Michaël Seri         Ivory Coast
## 394                        Williams               Spain
## 395                 Marco Sportiello               Italy
## 396                 Keita Baldé Diao            Senegal
## 397                Nikola Maksimović             Serbia
## 398                     Thomas Lemar             France
## 399                  Kingsley Coman             France
## 400                         Alisson             Brazil
## 401                  Joshua Kimmich            Germany
## 402                   Julian Brandt            Germany
## 403                  Sofiane Boufal            Morocco
## 404                           Bruma           Portugal
## 405                  Daniele Rugani               Italy
## 406               Raphaël Guerreiro           Portugal
## 407                         Fabinho             Brazil
## 408                      Jamie Vardy            England
## 409                     Hakim Ziyech            Morocco
## 410                    Emil Forsberg             Sweden
## 411                             Saúl              Spain
## 412                           Felipe             Brazil
## 413                 Taras Stepanenko            Ukraine
## 414                        Luke Shaw            England
## 415                    Leo Baptistao             Brazil
## 416                  Antonio Rüdiger            Germany
## 417                  Matija Nastasić             Serbia
## 418                     Denis Suárez              Spain
## 419                       Kurt Zouma             France
## 420                      John Brooks      United States
## 421                  Héctor Bellerín              Spain
## 422                   Thorgan Hazard            Belgium
## 423                    Davy Klaassen        Netherlands
## 424                  Valère Germain             France
## 425               Paul-Georges Ntep             France
## 426                  Layvin Kurzawa             France
## 427                         Rafinha             Brazil
## 428                  Jeison Murillo           Colombia
## 429               Riccardo Saponara               Italy
## 430                  Djibril Sidibé             France
## 431                 Nacho Fernández              Spain
## 432                     Josip Iličić           Slovenia
## 433                    Kevin Volland            Germany
## 434                            Allan             Brazil
## 435                 Pablo Hernández              Chile
## 436                    Sergi Roberto              Spain
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## 438               Manolo Gabbiadini               Italy
## 439               Josuha Guilavogui             France
## 440                 Patrick Herrmann            Germany
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## 441                  Sebastián Coates          Uruguay
## 442                   Oğuzhan Özyakup           Turkey
## 443               Yaroslav Rakitskyi          Ukraine
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## 445                           Adrián            Spain
## 446                             Neto           Brazil
## 447                       Hugo Mallo            Spain
## 448                     Daniel Didavi          Germany
## 449                   Younès Belhanda          Morocco
## 450                    Oliver Baumann          Germany
## 451                   Mário Fernandes           Russia
## 452                   Roberto Soriano            Italy
## 453                      Jesús Corona           Mexico
## 454                   Maxime Gonalons           France
## 455                   Alphonse Areola           France
## 456                       Yunus Mallı           Turkey
## 457                    Eduardo Salvio        Argentina
## 458               Stephan El Shaarawy            Italy
## 459                       Iago Falqué            Spain
## 460                      Marwin Hitz      Switzerland
## 461           Thimothée Kolodziejczak           France
## 462                  Francis Coquelin           France
## 463                  Marcel Schmelzer          Germany
## 464                    Ryad Boudebouz          Algeria
## 465                             Ganso           Brazil
## 466                       Fedor Smolov           Russia
## 467                   Christian Noboa          Ecuador
## 468                    Kwadwo Asamoah            Ghana
## 469                 Ron-Robert Zieler          Germany
## 470                      Danny Welbeck          England
## 471                   Danny Drinkwater          England
## 472                 Aleksandar Kolarov           Serbia
## 473                     Matteo Darmian            Italy
## 474                   Ibrahima Traoré           Guinea
## 475                     Diego Perotti        Argentina
## 476                    Angelo Ogbonna            Italy
## 477                         Max Kruse          Germany
## 478             Konstantinos Mitroglou           Greece
## 479                    Nordin Amrabat          Morocco
## 480                    Stevan Jovetić       Montenegro
## 481                     Jeremain Lens      Netherlands
## 482                 Branislav Ivanović           Serbia
## 483                               Eder            Italy
## 484                      Kiko Casilla            Spain
## 485                     Nacho Monreal            Spain
## 486                      Serdar Tasci          Germany
## 487                      Marcelo Díaz            Chile
## 488                        André Ayew            Ghana
## 489                      Winston Reid      New Zealand
## 490                       Lucas Leiva           Brazil
## 491               Kevin-Prince Boateng            Ghana
## 492                      Héctor Moreno           Mexico
## 493                   Cristian Ansaldi        Argentina
## 494                       Daniel Wass          Denmark
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## 495                          Coke                 Spain
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## 497             Jonathan dos Santos                Mexico
## 498                   Ryan Bertrand               England
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## 501                    Yohan Cabaye                France
## 502                  Vitaliy Denisov            Uzbekistan
## 503                      Dušan Basta                Serbia
## 504                   Gustavo Cabral             Argentina
## 505                  Gabriel Paletta                 Italy
## 506                 Łukasz Fabiański                Poland
## 507                        Ben Foster               England
## 508                   Vedad Ibišević    Bosnia Herzegovina
## 509                 Andreas Granqvist                Sweden
## 510                    Héctor Herrera                Mexico
## 511                     Igor Akinfeev                Russia
## 512                Fernando Belluschi             Argentina
## 513                     Andriy Pyatov               Ukraine
## 514                  Antonio Mirante                 Italy
## 515                Federico Marchetti                Italy
## 516                      James Milner               England
## 517                       Michel Vorm           Netherlands
## 518                      Daniel Baier               Germany
## 519                 Atiba Hutchinson                Canada
## 520                     Mehmet Topal                Turkey
## 521            Bastian Schweinsteiger               Germany
## 522                        René Adler               Germany
## 523                  Jérémy Toulalan                France
## 524                    Phil Jagielka               England
## 525                Stefano Sorrentino                 Italy
## 526                  Robin van Persie           Netherlands
## 527                      Gareth Barry               England
## 528                   Francesco Totti                 Italy
## 529              Gianluigi Donnarumma                 Italy
## 530                     Nélson Semedo              Portugal
## 531                     Florin Andone               Romania
## 532          Sergej Milinković-Savić                Serbia
## 533                     Omar Al Soma                 Syria
## 534                           Petros                Brazil
## 535          Victor Nilsson Lindelöf                Sweden
## 536                       Naby Keïta                Guinea
## 537                 Tiémoué Bakayoko                France
## 538                   Mahmoud Dahoud               Germany
## 539                     Rúben Semedo              Portugal
## 540                             Rafa              Portugal
## 541                      Dani García                 Spain
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## 543                     Ángel Correa             Argentina
## 544               Andreas Christensen               Denmark
## 545                   Nabil Bentaleb               Algeria
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## 548                        Max Meyer               Germany
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## 549                          Gayà                 Spain
## 550                   Marco Benassi                 Italy
## 551                    Pedro Santos              Portugal
## 552                    Elseid Hysaj               Albania
## 553                    João Cancelo              Portugal
## 554               Alessio Romagnoli                 Italy
## 555                 Piotr Zieliński                Poland
## 556                     Bruno Peres                Brazil
## 557                 Ricardo Pereira              Portugal
## 558                   Óliver Torres                 Spain
## 559                    Filip Kostić                Serbia
## 560                        Emre Can               Germany
## 561                 Matthias Ginter               Germany
## 562                  Luciano Vietto             Argentina
## 563                    Arrizabalaga                 Spain
## 564               Maximilian Arnold               Germany
## 565                   Alassane Pléa                France
## 566                 Denis Cheryshev                Russia
## 567                      Edin Višća    Bosnia Herzegovina
## 568                         Bernard                Brazil
## 569                 Daniele Baselli                 Italy
## 570                 Arkadiusz Milik                Poland
## 571                          Bernat                 Spain
## 572                   Šime Vrsaljko               Croatia
## 573                  Eric Botteghin                Brazil
## 574                      John Stones               England
## 575              Jannik Vestergaard               Denmark
## 576                     Simone Zaza                 Italy
## 577                    Sergi Darder                 Spain
## 578                        Fernando                Brazil
## 579                   Memphis Depay           Netherlands
## 580                            Jesé                 Spain
## 581                  Thomas Meunier               Belgium
## 582                       Eric Dier               England
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## 585                  Gastón Ramírez               Uruguay
## 586                  Faouzi Ghoulam               Algeria
## 587                         Gabriel                Brazil
## 588                 Vladimír Darida        Czech Republic
## 589                          Cédric              Portugal
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## 591                Benjamin Lecomte                France
## 592                     Lucas Digne                France
## 593                    Paco Alcácer                 Spain
## 594                   Heung Min Son        Korea Republic
## 595                   Vicente Gómez                 Spain
## 596                      Emre Çolak                Turkey
## 597                    André André              Portugal
## 598                    Dušan Tadić                Serbia
## 599                          Danilo                Brazil
## 600                   Pablo Sarabia                 Spain
## 601          Alex Oxlade-Chamberlain               England
## 602                     Marco Höger               Germany
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## 604                Giannelli Imbula               France
## 605                 Nicolás Lodeiro              Uruguay
## 606                Daniel Caligiuri                Italy
## 607                   Jeffrey Bruma          Netherlands
## 608                    Willian José               Brazil
## 609                    Wahbi Khazri              Tunisia
## 610                            Keko                Spain
## 611                             Gil               Brazil
## 612              Martin Braithwaite              Denmark
## 613                     Jaume Costa                Spain
## 614                  Romain Hamouma               France
## 615                         Escudero                Spain
## 616                    Marcos Alonso                Spain
## 617                 Holger Badstuber              Germany
## 618                   Osvaldo Alonso                 Cuba
## 619                      Juraj Kucka             Slovakia
## 620                      Jeroen Zoet          Netherlands
## 621                    Illarramendi                Spain
## 622                      Adem Ljajić               Serbia
## 623                 Eliaquim Mangala               France
## 624                          Canales                Spain
## 625                       Balenziaga                Spain
## 626                            Rafael               Brazil
## 627                   Sebastian Rudy              Germany
## 628                         Jonathas               Brazil
## 629             Aleksandar Dragović              Austria
## 630                  Manuel Lanzini            Argentina
## 631                  Victor Wanyama                Kenya
## 632                  Alfred N'Diaye              Senegal
## 633                 Nicolas Nkoulou             Cameroon
## 634                  Volkan Babacan               Turkey
## 635                  Seydou Doumbia          Ivory Coast
## 636                    Pavel Mamaev               Russia
## 637                    Artem Dzyuba               Russia
## 638                        Maurício               Brazil
## 639                     Yann M'Vila               France
## 640                    Kieran Gibbs              England
## 641                         Mariano               Brazil
## 642                 Sofiane Feghouli              Algeria
## 643                         Fernando               Brazil
## 644                    Claudio Yacob            Argentina
## 645                         Roberto                Spain
## 646                   Moussa Sissoko               France
## 647              Maximiliano Pereira              Uruguay
## 648                           Sidnei               Brazil
## 649                 William Vainqueur               France
## 650                    Miguel Veloso             Portugal
## 651                         Fabricio                Spain
## 652                        Vieirinha             Portugal
## 653                   Fabian Johnson        United States
## 654                         Demba Ba              Senegal
## 655                       Bryan Ruíz           Costa Rica
## 656                      Marcus Berg               Sweden
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## 657                  Pontus Wernbloom                Sweden
## 658                      David Ospina               Colombia
## 659                    Ignacio Piatti              Argentina
## 660                      Valter Birsa               Slovenia
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## 662                           Marcano                  Spain
## 663                    Simon Mignolet                Belgium
## 664                     Sergio Romero              Argentina
## 665                 Domenico Criscito                  Italy
## 666                             Castán                 Brazil
## 667                        Moussa Sow                Senegal
## 668                      Diego Valeri              Argentina
## 669                        Nuri Şahin                 Turkey
## 670                       Jonny Evans       Northern Ireland
## 671                             Danilo                 Brazil
## 672                     Nicolás Pareja              Argentina
## 673                        Ştefan Radu                Romania
## 674                  Nicolas Lombaerts                Belgium
## 675                     Giuseppe Rossi                  Italy
## 676                            Llorente                  Spain
## 677                   Bafétimbi Gomis                 France
## 678                   Mathieu Debuchy                 France
## 679                   Ibrahim Afellay            Netherlands
## 680                  Jefferson Farfán                   Peru
## 681                  Manuel Fernandes               Portugal
## 682                        Scott Dann                England
## 683                      Clint Dempsey          United States
## 684                    Michael Bradley          United States
## 685                     Yoann Gourcuff                 France
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## 688                        Gaël Clichy                 France
## 689                 Klaas-Jan Huntelaar            Netherlands
## 690                             Luisão                 Brazil
## 691                 Vasiliy Berezutskiy                 Russia
## 692                       Igor Denisov                 Russia
## 693                   Alexandr Samedov                 Russia
## 694                        Jesús Navas                  Spain
## 695                       Xabi Prieto                  Spain
## 696                        Javi Fuego                  Spain
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## 699                    Guillermo Ochoa                 Mexico
## 700                       Bruno Alves               Portugal
## 701                      Burak Yılmaz                 Turkey
## 702                     Diego Benaglio            Switzerland
## 703                       Zoran Tošić                 Serbia
## 704                           Maxwell                 Brazil
## 705                     Kim Källström                 Sweden
## 706                        Tim Howard          United States
## 707                       Denys Boyko                Ukraine
## 708                    Marcus Rashford                England
## 709                     Miguel Almirón               Paraguay
## 710                      Gabriel Jesus                 Brazil
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## 711                      Oyarzabal                 Spain
## 712                   André Silva              Portugal
## 713                         Soares                Brazil
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## 715                   Marcos Acuña             Argentina
## 716                     Jorge Meré                 Spain
## 717                           Jony                 Spain
## 718               Antonio Sanabria              Paraguay
## 719                   Cheikh N'Doye               Senegal
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## 721              Gonzalo Escalante             Argentina
## 722                  Theo Bongonda               Belgium
## 723              Sebastián Torrico             Argentina
## 724                        Morales                 Spain
## 725                        Wendell                Brazil
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## 727              Davide Zappacosta                 Italy
## 728                       Jemerson                Brazil
## 729                   Lucas Alario             Argentina
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## 734                     Timo Werner               Germany
## 735                      André Hahn               Germany
## 736                  Paulo Oliveira              Portugal
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## 738                       Grimaldo                 Spain
## 739                    Kevin Wimmer               Austria
## 740                     Tiago Volpi                Brazil
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## 742                  Sead Kolašinac    Bosnia Herzegovina
## 743                   Guido Pizarro             Argentina
## 744                  Michael Keane               England
## 745                  Jesse Lingard               England
## 746                          Bigas                 Spain
## 747                  Vlad Chiricheş               Romania
## 748                      Ben Davies                 Wales
## 749                  Carlos Sánchez               Uruguay
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## 751                   Takashi Inui                 Japan
## 752                   Raúl Jiménez                Mexico
## 753                  Joel Campbell            Costa Rica
## 754                      Mário Rui              Portugal
## 755                   M'Baye Niang                France
## 756                 Christoph Kramer               Germany
## 757          Konstantinos Fortounis                Greece
## 758                     Joãozinho                Brazil
## 759                  André Carrillo                  Peru
## 760                  Rodrigo Moledo                Brazil
## 761                  Johannes Geis               Germany
## 762                     Salif Sané               Senegal
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## 765                Łukasz Teodorczyk               Poland
## 766                     Nacer Chadli              Belgium
## 767                   Cristian Tello                Spain
## 768                            Bruno                Spain
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## 770                Nicolai Jørgensen              Denmark
## 771                     John Guidetti               Sweden
## 772               Bruno Martins Indi          Netherlands
## 773                     Jordy Clasie          Netherlands
## 774                 Charles Aránguiz                Chile
## 775                      Mathew Ryan            Australia
## 776               Rogelio Funes Mori            Argentina
## 777                   Aymen Abdennour              Tunisia
## 778                            Mexer           Mozambique
## 779                       Enzo Pérez            Argentina
## 780                 Teófilo Gutiérrez             Colombia
## 781                     Dorlan Pabón             Colombia
## 782                   Charlie Austin              England
## 783                     Borja Bastón                Spain
## 784                     Sergi Enrich                Spain
## 785                     Hernán Pérez            Paraguay
## 786                   Thomas Delaney              Denmark
## 787                     Davy Pröpper          Netherlands
## 788                       Cenk Tosun               Turkey
## 789                     Koen Casteels              Belgium
## 790             Emanuele Giaccherini                Italy
## 791                       Allan Nyom             Cameroon
## 792                       Kevin Vogt              Germany
## 793                           Fontàs                Spain
## 794                      Lamine Sané              Senegal
## 795                      Gökhan Töre               Turkey
## 796                    Fredy Montero             Colombia
## 797                     Celso Borges           Costa Rica
## 798                  Michail Antonio              England
## 799                          Etxeita                Spain
## 800            Julian Baumgartlinger              Austria
## 801                     Mehmet Ekici               Turkey
## 802                          Muniain                Spain
## 803                          Susaeta                Spain
## 804                    Etrit Berisha              Albania
## 805                  Yannick Bolasie             DR Congo
## 806                     Miguel Lopes             Portugal
## 807                      Senad Lulić   Bosnia Herzegovina
## 808                          Rochina                Spain
## 809                 Omar El Kaddouri              Morocco
## 810                  Denis Glushakov               Russia
## 811                  Carlos Zambrano                 Peru
## 812                       Mame Diouf              Senegal
## 813                      Onur Kıvrak               Turkey
## 814                 Jefferson Montero              Ecuador
## 815                     Keisuke Honda                Japan
## 816                 Bernardo Espinosa             Colombia
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## 818                     Ivelin Popov             Bulgaria
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## 819                      Joe Allen                Wales
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## 822                  Sandro Wagner              Germany
## 823                   Pablo Piatti            Argentina
## 824       Eric Maxim Choupo-Moting             Cameroon
## 825             Sebastian Langkamp              Germany
## 826                  Neven Subotić               Serbia
## 827                   Fabian Delph              England
## 828                  Raúl Bobadilla            Paraguay
## 829                     Troy Deeney              England
## 830                Håvard Nordtveit               Norway
## 831                Balázs Dzsudzsák              Hungary
## 832                    Andy Carroll              England
## 833                    Bořek Dočkal       Czech Republic
## 834                     Marek Suchý       Czech Republic
## 835                    Luiz Adriano               Brazil
## 836                       Guilherme               Russia
## 837                  Ki Sung Yueng       Korea Republic
## 838                     Ruud Vormer          Netherlands
## 839                  Etienne Capoue               France
## 840                     Paul Baysse               France
## 841                 Cristian Zapata             Colombia
## 842               Dieumerci Mbokani             DR Congo
## 843               Marouane Fellaini              Belgium
## 844                  Nahuel Guzmán            Argentina
## 845                   Adrián Ramos             Colombia
## 846                          Baiano               Brazil
## 847                     Jan Ďurica             Slovakia
## 848                     Pedro León                Spain
## 849                Zlatko Junuzović              Austria
## 850                  Luca Antonelli                Italy
## 851                   Victor Moses              Nigeria
## 852                       Zurutuza               France
## 853                  Fraser Forster              England
## 854                   Lasse Schøne              Denmark
## 855                  James McArthur             Scotland
## 856                   Mario Suárez                Spain
## 857                   Steven Defour              Belgium
## 858                Diego Buonanotte            Argentina
## 859                        Tim Krul          Netherlands
## 860                       Jack Cork              England
## 861                 Kenneth Vermeer          Netherlands
## 862                         Rafinha               Brazil
## 863             Salvatore Bocchetti                Italy
## 864                  Ignazio Abate                Italy
## 865                     Rasmus Elm               Sweden
## 866                     Marco Ruben            Argentina
## 867            Jakub Błaszczykowski               Poland
## 868                        Adriano               Brazil
## 869                     Tom Heaton              England
## 870                Oleksandr Kucher              Ukraine
## 871                 Karim El Ahmadi              Morocco
## 872                     Javi García                Spain
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## 873                David Abraham          Argentina
## 874           Riccardo Montolivo              Italy
## 875           Fabio Quagliarella              Italy
## 876                       Jurado              Spain
## 877            Ezequiel Lavezzi          Argentina
## 878           Christian Gentner            Germany
## 879               Laurent Ciman            Belgium
## 880            Thomas Vermaelen            Belgium
## 881             Rodrigo Palacio          Argentina
## 882         Per Ciljan Skjelbred             Norway
## 883                Ashley Young            England
## 884                  Mark Noble            England
## 885                 Aaron Lennon            England
## 886           Christophe Jallet             France
## 887             Sergey Ryzhikov             Russia
## 888                     Soldado              Spain
## 889                 Oscar Wendt             Sweden
## 890               Gökhan Gönül             Turkey
## 891                   José Sosa          Argentina
## 892               Ragnar Klavan            Estonia
## 893             Willy Caballero          Argentina
## 894                 Vágner Love             Brazil
## 895                 Robert Huth            Germany
## 896                       Gomes             Brazil
## 897           Martín Demichelis          Argentina
## 898                 Selçuk İnan             Turkey
## 899             Alexander Meier            Germany
## 900           Sergey Ignashevich             Russia
## 901                       Reyes              Spain
## 902               Nigel de Jong        Netherlands
## 903              Mathieu Bodmer             France
## 904                     Joaquín              Spain
## 905             Claudio Pizarro               Peru
## 906                 César Navas              Spain
## 907         Alessandro Gamberini              Italy
## 908         Kylian Mbappe Lottin             France
## 909                Alban Lafont             France
## 910              Renato Sanches           Portugal
## 911              Formosandrinho             Brazil
## 912             Sidney Pessinho             Brazil
## 913                 Everticinho             Brazil
## 914               Louri Beretta             Brazil
## 915             Claudio Coíntra             Brazil
## 916             Maikel Catarino             Brazil
## 917               Ronaldo Esler             Brazil
## 918                  Gazzolisco             Brazil
## 919            Raphaelito Anjos             Brazil
## 920              Mauricio Lemos            Uruguay
## 921                     Dalbert             Brazil
## 922           Lorenzo Pellegrini              Italy
## 923                       Yeray              Spain
## 924             Vincent Janssen        Netherlands
## 925               Pablo Fornals              Spain
## 926             Marcos Llorente              Spain
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## 927                    Martín Campaña          Uruguay
## 928                      Nadiem Amiri          Germany
## 929                 Vincent Koziello           France
## 930                          Vallejo            Spain
## 931                 Şener Özbayraklı           Turkey
## 932                      Franco Cervi        Argentina
## 933                            Malcom           Brazil
## 934                     Rick Karsdorp      Netherlands
## 935                     Dani Ceballos            Spain
## 936                    Hirving Lozano           Mexico
## 937                    Yoan Cardinale           France
## 938                      Badou Ndiaye          Senegal
## 939                 Alessandro Schöpf          Austria
## 940                 Davinson Sánchez         Colombia
## 941                      Matias Vecino          Uruguay
## 942            Georges-Kévin Nkoudou           France
## 943                            Sandro            Spain
## 944                      Wesley Hoedt      Netherlands
## 945                            Bastos           Angola
## 946                           Wallace           Brazil
## 947                  Youri Tielemans          Belgium
## 948                   Alen Halilović          Croatia
## 949                     Yuriy Lodygin           Russia
## 950                     Silvan Widmer      Switzerland
## 951                      Gino Peruzzi        Argentina
## 952                       Pablo Pérez        Argentina
## 953                  Darío Benedetto         Argentina
## 954                      Iván Marcone        Argentina
## 955                 Matías Kranevitter       Argentina
## 956                      Emmanuel Mas        Argentina
## 957                     Franco Armani        Argentina
## 958                     Daniel Torres         Colombia
## 959                      Felipe Pardo         Colombia
## 960                     Sardar Azmoun             Iran
## 961                          Alan Ruiz        Argentina
## 962                        Diego Rolán         Uruguay
## 963                    Mohamed Elneny           Egypt
## 964                      Mario Lemina           Gabon
## 965                  Anderson Talisca          Brazil
## 966                    Bruno Fernandes        Portugal
## 967                Roberto Gagliardini           Italy
## 968                     Kerem Demirbay         Germany
## 969                  Nicolás Tagliafico       Argentina
## 970                     Pablo De Blasis       Argentina
## 971                          Carles Gil           Spain
## 972                          Luca Zuffi      Switzerland
## 973             Juan Fernando Quintero         Colombia
## 974                              Jonny           Spain
## 975                            Otávio           Brazil
## 976              Alexander Szymanowski        Argentina
## 977                        Jhon Córdoba        Colombia
## 978                            Jozabed           Spain
## 979                           Pacheco            Spain
## 980                        Sam Larsson           Sweden
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## 981                Abdul Rahman Baba                Ghana
## 982                  Andreas Samaris               Greece
## 983                          Gabriel               Brazil
## 984                    Gerard Moreno                Spain
## 985                        Erik Durm              Germany
## 986                     Tobias Strobl              Germany
## 987                           Marçal               Brazil
## 988                   Leandro Paredes            Argentina
## 989                    Roberto Torres                Spain
## 990                   Mitchell Weiser              Germany
## 991                  Dominique Heintz              Germany
## 992                      Serge Gnabry              Germany
## 993                     Jetro Willems          Netherlands
## 994               Leonardo Pavoletti                Italy
## 995                     Zouhair Feddal             Morocco
## 996                  Sébastien Haller               France
## 997                      Lucas Castro            Argentina
## 998                    Luís Hernández                Spain
## 999                           Marcelo               Brazil
## 1000                   Benjamin Mendy               France
## 1001                      Willi Orban              Germany
## 1002                      Rubén Pardo                Spain
## 1003                        Luís Neto             Portugal
## 1004                      Jores Okore              Denmark
## 1005                     Tomáš Vaclík       Czech Republic
## 1006                          Zé Luís           Cape Verde
## 1007                 Pavel Kadeřábek       Czech Republic
## 1008                    Tonny Vilhena          Netherlands
## 1009                  Terence Kongolo          Netherlands
## 1010            Leonardo Bittencourt              Germany
## 1011                          Álvaro                Spain
## 1012                 Stefano Sturaro                Italy
## 1013                           Naldo               Brazil
## 1014                           Recio                Spain
## 1015                 Valentin Eysseric               France
## 1016                       Ahmed Musa              Nigeria
## 1017                  Jordan Veretout               France
## 1018                      David López                Spain
## 1019               Ciprian Tătăruşanu              Romania
## 1020                  Ladislav Krejčí       Czech Republic
## 1021                      Aïssa Mandi              Algeria
## 1022                          Ismaily               Brazil
## 1023               Nicolas De Préville               France
## 1024                         Marafona             Portugal
## 1025                      Marko Dević              Ukraine
## 1026                         Mark Uth              Germany
## 1027                    Nicolás Blandi            Argentina
## 1028                          Campaña                Spain
## 1029                  Marco van Ginkel          Netherlands
## 1030                    Wilson Eduardo             Portugal
## 1031                  Ramiro Funes Mori            Argentina
## 1032                       Dennis Praet              Belgium
## 1033                       Sergi Gómez                Spain
## 1034                  Brice Dja Djédjé          Ivory Coast
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## 1035                Sergio Álvarez              Spain
## 1036            Juan Manuel Iturbe           Paraguay
## 1037                   Luis Muriel           Colombia
## 1038             Vincent Aboubakar           Cameroon
## 1039                Nampalys Mendy             France
## 1040                  Luis Alberto              Spain
## 1041               Florentin Pogba             Guinea
## 1042                   Stefan Bell            Germany
## 1043                       Rodrigo              Spain
## 1044            Benjamin Stambouli             France
## 1045                    Jordi Amat              Spain
## 1046                 Jens Toornstra        Netherlands
## 1047               Papy Djilobodji            Senegal
## 1048           Ioannis Fetfatzidis             Greece
## 1049                    Danny Ings            England
## 1050                    Javi López              Spain
## 1051               Andros Townsend            England
## 1052                       Montoya              Spain
## 1053                 Shinji Okazaki              Japan
## 1054                    Alper Potuk             Turkey
## 1055                   André Pinto           Portugal
## 1056            Nemanja Pejčinović             Serbia
## 1057               Germán Pezzella          Argentina
## 1058                 Mattia Destro              Italy
## 1059                  Guram Kashia           Georgia
## 1060            Ezequiel Schelotto              Italy
## 1061                    Marko Baša         Montenegro
## 1062             Costel Pantilimon            Romania
## 1063           Marvin Plattenhardt            Germany
## 1064                        Bóveda              Spain
## 1065             Andrea Bertolacci              Italy
## 1066                   Diego Reyes             Mexico
## 1067             Sébastien Corchia             France
## 1068                  Tomás Rincón          Venezuela
## 1069                 Tolgay Arslan             Turkey
## 1070                 Jan Kirchhoff            Germany
## 1071              Sebastián Blanco          Argentina
## 1072                   Rubén Pérez              Spain
## 1073                  Luuk de Jong        Netherlands
## 1074                          Éder           Portugal
## 1075                 Tom Cleverley            England
## 1076                Victor Sánchez              Spain
## 1077               Benjamin Hübner            Germany
## 1078                         Souza             Brazil
## 1079               Bastian Oczipka            Germany
## 1080                  Marcel Risse            Germany
## 1081                 Jonjo Shelvey            England
## 1082                    Mauro Díaz          Argentina
## 1083                   Gustavo Bou          Argentina
## 1084              Mirko Valdifiori              Italy
## 1085                 Admir Mehmedi        Switzerland
## 1086               Thomas Heurtaux             France
## 1087                Lautaro Acosta          Argentina
## 1088                 Daryl Janmaat        Netherlands
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## 1089                    Lewis Holtby              Germany
## 1090                        Juanfran                Spain
## 1091                          Maicon               Brazil
## 1092                       Wanderson               Brazil
## 1093                   Mauricio Isla                Chile
## 1094                    Dayro Moreno             Colombia
## 1095                Alberto Paloschi                Italy
## 1096                Christian Träsch              Germany
## 1097                Cheikhou Kouyaté              Senegal
## 1098                   Geoff Cameron        United States
## 1099                Ivan Radovanovic               Serbia
## 1100                    Sven Ulreich              Germany
## 1101                       Leroy Fer          Netherlands
## 1102                  Kieran Trippier              England
## 1103                  Luca Rossettini                Italy
## 1104               Benjamin Moukandjo             Cameroon
## 1105           Kyriakos Papadopoulos               Greece
## 1106               Facundo Roncaglia            Argentina
## 1107                  Nicolai Müller              Germany
## 1108                   Nabil El Zhar              Morocco
## 1109                            Yuri                Spain
## 1110                 Aurélien Chedjou             Cameroon
## 1111                     Henri Saivet              Senegal
## 1112                Valentin Stocker          Switzerland
## 1113                       Max Gradel          Ivory Coast
## 1114                  Roberto Rosales            Venezuela
## 1115                   Carlos Sánchez             Colombia
## 1116                     Jose Holebas               Greece
## 1117                             Beto             Portugal
## 1118                 Antonio Rukavina               Serbia
## 1119               Mapou Yanga-M'Biwa               France
## 1120                    Makoto Hasebe                Japan
## 1121                           Marcelo               Brazil
## 1122                   Charles Kaboré         Burkina Faso
## 1123                         Mosquera                Spain
## 1124                   Stefano Okaka                Italy
## 1125                  Kamil Grosicki               Poland
## 1126                 Sebastian Prödl              Austria
## 1127              Jonathan De Guzmán          Netherlands
## 1128                Alessandro Matri                Italy
## 1129               Vadis Odjidja-Ofoe              Belgium
## 1130                   Felipe Caicedo              Ecuador
## 1131                        Fran Rico                Spain
## 1132                   Mariano Andújar            Argentina
## 1133                       Nathan Dyer              England
## 1134                       Óscar Trejo            Argentina
## 1135                   Marco Andreolli                Italy
## 1136                        Javi Varas                Spain
## 1137                  Perparim Hetemaj              Finland
## 1138                       Eljero Elia          Netherlands
## 1139                   Jonatan Maidana            Argentina
## 1140                       Caner Erkin               Turkey
## 1141                    Fábio Coentrão             Portugal
## 1142                     Jay Rodriguez              England
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## 1143                  Lee Cattermole              England
## 1144                   Darron Gibson   Republic of Ireland
## 1145                      Shane Long   Republic of Ireland
## 1146                       Rémy Riou               France
## 1147                       Ron Vlaar          Netherlands
## 1148                             Ari               Brazil
## 1149                            Bebé             Portugal
## 1150                     Ismael Sosa            Argentina
## 1151                   Fernando Gago            Argentina
## 1152                 Itumeleng Khune         South Africa
## 1153                  Eugen Polański               Poland
## 1154                   Cyril Théréau               France
## 1155                         Charles               Brazil
## 1156                          Sergio                Spain
## 1157                   Curtis Davies              England
## 1158                   Younès Kaboul               France
## 1159                    Andrea Raggi                Italy
## 1160                    Glenn Whelan   Republic of Ireland
## 1161                 Guillaume Gillet              Belgium
## 1162                    Johan Djourou          Switzerland
## 1163                   Mauro Boselli            Argentina
## 1164                   Valon Behrami          Switzerland
## 1165                       Agirretxe                Spain
## 1166                    Jérémy Ménez               France
## 1167                    Gökhan İnler          Switzerland
## 1168                  Alexandre Song             Cameroon
## 1169                 Alfredo Talavera               Mexico
## 1170                     Justo Villar             Paraguay
## 1171                 Robert Snodgrass             Scotland
## 1172                    Yuriy Zhirkov               Russia
## 1173                     Mauro Zárate            Argentina
## 1174                     Steven Davis      Northern Ireland
## 1175             Francesco Magnanelli                Italy
## 1176                    Paul Verhaegh          Netherlands
## 1177            Zydrunas Karcemarskas            Lithuania
## 1178               Alexey Berezutskiy               Russia
## 1179                       Iván Ramis                Spain
## 1180                     David García                Spain
## 1181                  Volkan Demirel               Turkey
## 1182                  Matías Delgado            Argentina
## 1183                   Agustín Orión            Argentina
## 1184                    Leon Britton              England
## 1185                  Christian Fuchs              Austria
## 1186                 Nicolás Burdisso            Argentina
## 1187                Esteban Cambiasso            Argentina
## 1188                     Glen Johnson              England
## 1189                  Stefan Kießling              Germany
## 1190                       Wes Morgan              Jamaica
## 1191                     Jimmy Briand               France
## 1192                   Michael Dawson              England
## 1193                          Iraizoz                Spain
## 1194                     Jaime Valdés                Chile
## 1195                   Jelle Van Damme              Belgium
## 1196                 Emmanuel Adebayor                 Togo
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## 1197              Tranquillo Barnetta          Switzerland
## 1198                     Silvio Proto              Belgium
## 1199                  Daniele Bonera                Italy
## 1200                  Rémy Vercoutre               France
## 1201                Morgan De Sanctis                Italy
## 1202                           Eliseu             Portugal
## 1203               Roman Weidenfeller              Germany
## 1204                  Emre Belözoğlu               Turkey
## 1205                       Marko Rog              Croatia
## 1206                       Issa Diop               France
## 1207                  Amadou Diawara               Guinea
## 1208                 Ronaldo Cabrais               Brazil
## 1209                  David Seijalbo               Brazil
## 1210                    Vieirundinho               Brazil
## 1211                  Welington Dano               Brazil
## 1212                   Nelsildo Reis               Brazil
## 1213                     Fred Aníbão               Brazil
## 1214                   Gabri Prestão               Brazil
## 1215                 Rosberto Dourado               Brazil
## 1216                   Everton Andrão               Brazil
## 1217                 Eltildo Correia                Brazil
## 1218                  Juiano Mestres                Brazil
## 1219             Antônio Chiamuloira                Brazil
## 1220                     Leon Bailey               Jamaica
## 1221                     Marko Pjaca              Croatia
## 1222                        Palhinha             Portugal
## 1223                  Bart Ramselaar           Netherlands
## 1224                   Moussa Marega                  Mali
## 1225                  Daniel Podence             Portugal
## 1226                     André Onana             Cameroon
## 1227                 Aritz Elustondo                Spain
## 1228                Kelechi Iheanacho              Nigeria
## 1229                     Ivan Ordets              Ukraine
## 1230                      Diogo Jota             Portugal
## 1231                  Gonçalo Guedes             Portugal
## 1232                           Danilo               Brazil
## 1233                      Ozan Tufan               Turkey
## 1234                      Aytaç Sulu               Turkey
## 1235                     Ahmet Çalık               Turkey
## 1236                     Breel Embolo          Switzerland
## 1237                 Nikola Vukcević            Montenegro
## 1238                 Erick Gutiérrez                Mexico
## 1239                 Lucas Hernández               France
## 1240                Andrija Živković               Serbia
## 1241                    Óscar Romero             Paraguay
## 1242                  Enner Valencia              Ecuador
## 1243            Sebastián Cristóforo              Uruguay
## 1244                    Diego Carlos               Brazil
## 1245                 José Luis Gómez            Argentina
## 1246                        Camarasa                Spain
## 1247                 Jonathan Calleri            Argentina
## 1248                    Gustavo Gómez             Paraguay
## 1249                 Genki Haraguchi                Japan
## 1250                    Víctor García            Venezuela
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## 1251                    Carlos Mané            Portugal
## 1252              Maximilian Philipp            Germany
## 1253                 Juan Pablo Añor          Venezuela
## 1254                Matteo Politano              Italy
## 1255                     Kenny Tete        Netherlands
## 1256                           Capa              Spain
## 1257                   Armando Izzo              Italy
## 1258                Fernando Monetti          Argentina
## 1259                 Youssouf Sabaly             France
## 1260                       Deyverson             Brazil
## 1261                   Gerardo Alcoba           Uruguay
## 1262                  Emiliano Rigoni          Argentina
## 1263                       Édson Puch              Chile
## 1264                   Gastón Lezcano          Argentina
## 1265                    Silvio Romero          Argentina
## 1266                 Carlos Izquierdoz         Argentina
## 1267                 Sebastián Pérez           Colombia
## 1268                 Alexander Mejía           Colombia
## 1269                     Frank Fabra           Colombia
## 1270                    Éder Balanta           Colombia
## 1271                   Ricardo Horta           Portugal
## 1272                    Diego Laxalt           Uruguay
## 1273                 Aderllan Santos            Brazil
## 1274                  Levin Öztunali            Germany
## 1275                    Niklas Stark            Germany
## 1276                Nicolás Castillo              Chile
## 1277                         Gabriel             Brazil
## 1278                    Óscar Duarte         Costa Rica
## 1279                    Marcos Lopes           Portugal
## 1280                      Santi Mina              Spain
## 1281              Leander Dendoncker            Belgium
## 1282                          Medrán              Spain
## 1283                         José Sá           Portugal
## 1284                Yannick Gerhardt            Germany
## 1285                    Iuri Medeiros           Portugal
## 1286                    Dominik Kohr            Germany
## 1287                   Lazar Marković             Serbia
## 1288                  Vincenzo Grifo              Italy
## 1289                    Robert Berić           Slovenia
## 1290                   Jonathan Gómez          Argentina
## 1291                Gianluca Lapadula              Italy
## 1292                        Manquillo              Spain
## 1293                   Chancel Mbemba           DR Congo
## 1294                Ricardo Ferreira           Portugal
## 1295                     Björn Engels            Belgium
## 1296                Mauro Dos Santos          Argentina
## 1297                         Emerson              Italy
## 1298                    Marc Stendera            Germany
## 1299                    Jonas Hofmann            Germany
## 1300                     Ahmed Hassan              Egypt
## 1301                     Fabian Schär        Switzerland
## 1302                    Thomas Partey              Ghana
## 1303                    Matías Britos           Uruguay
## 1304                        Guilherme             Brazil
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## 1305                Omar Mascarell                Spain
## 1306            Christopher Jullien               France
## 1307               Martín Mantovani            Argentina
## 1308                 Alfred Duncan                Ghana
## 1309                Marten de Roon          Netherlands
## 1310                 Adnan Januzaj              Belgium
## 1311                  Romain Saïss              Morocco
## 1312             Abdoulaye Doucouré               France
## 1313                       Matheus               Brazil
## 1314               Bertrand Traoré         Burkina Faso
## 1315                Pedro Henrique               Brazil
## 1316                         Roger                Spain
## 1317                Yassine Benzia              Algeria
## 1318                  João Pereira             Portugal
## 1319                  Jordan Ferri               France
## 1320             Mattia De Sciglio                Italy
## 1321                   Amin Younes              Germany
## 1322                         Jairo                Spain
## 1323               Stefano Denswil          Netherlands
## 1324                 Lucas Ocampos            Argentina
## 1325             James Ward-Prowse              England
## 1326                Alberto Moreno                Spain
## 1327                  Okay Yokuşlu               Turkey
## 1328                   Fayçal Fajr              Morocco
## 1329               Jordan Pickford              England
## 1330               Marcel Sabitzer              Austria
## 1331                 Emiliano Sala            Argentina
## 1332              Mauricio Pereyra              Uruguay
## 1333               Ricardo Álvarez            Argentina
## 1334            Christophe Kerbrat               France
## 1335                   Julian Korb              Germany
## 1336                Saido Berahino              England
## 1337                Santiago Arias             Colombia
## 1338                    Kerim Frei               Turkey
## 1339               Baptiste Reynet               France
## 1340                Charly Musonda              Belgium
## 1341              Santiago Vergini            Argentina
## 1342             Anthony Knockaert               France
## 1343              Felipe Gutiérrez                Chile
## 1344           Mohamed Elyounoussi               Norway
## 1345                  Robin Knoche              Germany
## 1346               Fabián Castillo             Colombia
## 1347                   Aleix Vidal                Spain
## 1348                 Javi Espinosa                Spain
## 1349                      Serantes                Spain
## 1350                Timmy Chandler        United States
## 1351            Jeffrey Gouweleeuw          Netherlands
## 1352             Cristiano Piccini                Italy
## 1353            Martin Hinteregger              Austria
## 1354                  Robbie Brady   Republic of Ireland
## 1355                Ermin Bičakčić    Bosnia Herzegovina
## 1356               Nemanja Nikolić              Hungary
## 1357            Geoffrey Kondogbia               France
## 1358                   Samu García                Spain
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## 1359                    Lionel Carole                France
## 1360                    Muhamed Bešić    Bosnia Herzegovina
## 1361                       Lukas Rupp               Germany
## 1362                  Steven Berghuis           Netherlands
## 1363                     Alan Patrick                Brazil
## 1364                     Hans Vanaken               Belgium
## 1365                     Pedro Obiang                 Spain
## 1366                            Timor                 Spain
## 1367                            Josué              Portugal
## 1368                           Gálvez                 Spain
## 1369                   Eric Bauthéac                France
## 1370                      Harun Tekin                Turkey
## 1371                       Ibai Gómez                 Spain
## 1372                  Nicolas Pallois                France
## 1373                       Timm Klose           Switzerland
## 1374                      Sergio León                 Spain
## 1375                    Bibras Natcho                Israel
## 1376                       Raúl Navas                 Spain
## 1377                    Óscar Murillo              Colombia
## 1378                      Josip Drmić           Switzerland
## 1379                      Tomás Pina                 Spain
## 1380             Billy Ketkeophomphone                France
## 1381                 Philipp Wollscheid               Germany
## 1382                       Celso Ortíz              Paraguay
## 1383                      Jonas Martin                France
## 1384                      Jordan Ayew                 Ghana
## 1385                    Felix Wiedwald               Germany
## 1386                    Khouma Babacar               Senegal
## 1387                   Adrien Regattin               Morocco
## 1388                     Callum Wilson               England
## 1389                      Simone Verdi                 Italy
## 1390                Yonathan Del Valle             Venezuela
## 1391                   Macnelly Torres              Colombia
## 1392                   Esteban Paredes                 Chile
## 1393                       Joel Robles                 Spain
## 1394                Alfreð Finnbogason               Iceland
## 1395                      Tom Cairney              Scotland
## 1396                       Aaron Mooy             Australia
## 1397                     Jagoš Vuković                Serbia
## 1398                        Laguardia                 Spain
## 1399                     Nenad Tomović                Serbia
## 1400                    Pontus Jansson                Sweden
## 1401                       Andre Gray               England
## 1402                    André Almeida              Portugal
## 1403                            Roger                Brazil
## 1404                   Francesco Bardi                 Italy
## 1405                  Guido Burgstaller               Austria
## 1406                       Diafra Sakho               Senegal
## 1407                       Pape Souaré               Senegal
## 1408                 Manuel Schmiedebach               Germany
## 1409                       Iago Herrerín                 Spain
## 1410                  Christian Clemens               Germany
## 1411                       Marc Muniesa                 Spain
## 1412                 Maxime Le Marchand                France
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## 1413                Sebastian Jung            Germany
## 1414              Maxime Lestienne            Belgium
## 1415              Luciano Narsingh        Netherlands
## 1416                 Javier Aquino             Mexico
## 1417            Georgiy Schennikov             Russia
## 1418              Alexandr Kokorin             Russia
## 1419                 Pedro Morales              Chile
## 1420                 Peter Pekarík           Slovakia
## 1421                        Sandro             Brazil
## 1422                  Pascal Groß            Germany
## 1423                        Xandão             Brazil
## 1424              Benjamin André             France
## 1425                Dominic Maroh           Slovenia
## 1426               Léonard Kweuke           Cameroon
## 1427               Matías Caruzzo          Argentina
## 1428             Markus Henriksen             Norway
## 1429               Tony Jantschke            Germany
## 1430               Grégory Sertic             France
## 1431            Christian Kabasele            Belgium
## 1432             Łukasz Skorupski             Poland
## 1433              Aaron Cresswell            England
## 1434                Davide Santon              Italy
## 1435                  Danny Latza            Germany
## 1436               Alex McCarthy            England
## 1437              Bruno Fornaroli            Uruguay
## 1438                 Jimmy Durmaz             Sweden
## 1439                   Volkan Şen             Turkey
## 1440                Jonathan Kodjia       Ivory Coast
## 1441           Miguel Angel Britos            Uruguay
## 1442                 Michel Macedo             Brazil
## 1443                     Serey Dié       Ivory Coast
## 1444                 Sofiane Hanni            Algeria
## 1445           Riccardo Meggiorini              Italy
## 1446                  Oupa Manyisa      South Africa
## 1447                Cheick Diabaté              Mali
## 1448              Aatif Chahechouhe           Morocco
## 1449               Paul-José Mpoku          DR Congo
## 1450              Dmitriy Tarasov             Russia
## 1451                 Siem de Jong        Netherlands
## 1452              Franco Di Santo          Argentina
## 1453                 Matt Ritchie           Scotland
## 1454                 Fabio Borini              Italy
## 1455                  Gaël Kakuta             France
## 1456                 Diego Ângelo             Brazil
## 1457                  Andrea Poli              Italy
## 1458                Michał Pazdan             Poland
## 1459                     Maurício             Brazil
## 1460              Marcelo Larrondo              Chile
## 1461                 Michael Lang        Switzerland
## 1462              Jonathan Biabiany             France
## 1463           Kolbeinn Sigþórsson            Iceland
## 1464                  Lamine Koné       Ivory Coast
## 1465          Gregory van der Wiel        Netherlands
## 1466                 Maxi Moralez          Argentina
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## 1467                Gabriel Mercado            Argentina
## 1468             Siphiwe Tshabalala         South Africa
## 1469                Anthony Mounier               France
## 1470                       Gottardi               Brazil
## 1471                  Simon Terodde              Germany
## 1472                  Nils Petersen              Germany
## 1473                   Giovanni Sio          Ivory Coast
## 1474                    Fabian Frei          Switzerland
## 1475                    Fin Bartels              Germany
## 1476                Marc Albrighton              England
## 1477                   Ciaran Clark   Republic of Ireland
## 1478                  Mërgim Mavraj              Albania
## 1479              Sebastian De Maio               France
## 1480                   Koo Ja Cheol       Korea Republic
## 1481                Marcelo Martins              Bolivia
## 1482                    Albin Ekdal               Sweden
## 1483                       Rhodolfo               Brazil
## 1484                       Luisinho             Portugal
## 1485              Dejan Damjanović           Montenegro
## 1486                  Eren Derdiyok          Switzerland
## 1487                   Thomas Kraft              Germany
## 1488                Damien Da Silva               France
## 1489                 Emiliano Insúa            Argentina
## 1490                Pablo Hernández                Spain
## 1491              Miralem Sulejmani               Serbia
## 1492                    Marko Marin              Germany
## 1493                Adrián González                Spain
## 1494                   Erik Pieters          Netherlands
## 1495                Papa Kouli Diop              Senegal
## 1496                 Sergio Sánchez                Spain
## 1497                        Granero                Spain
## 1498                    Lucas Deaux               France
## 1499                     Sidney Sam              Germany
## 1500                  Martin Harnik              Austria
## 1501                    Nabil Dirar              Morocco
## 1502                   Ludovic Baal               France
## 1503                    Bojan Jokič             Slovenia
## 1504            Fabian Lustenberger          Switzerland
## 1505                  Stefan Aigner              Germany
## 1506                   Andreas Beck              Germany
## 1507              Simone Missiroli                Italy
## 1508                    Yeom Ki Hun       Korea Republic
## 1509                  Jozy Altidore        United States
## 1510                   Jelle Vossen              Belgium
## 1511                  Sacha Kljestan        United States
## 1512                       Sven Kums              Belgium
## 1513              Cristian Riveros             Paraguay
## 1514                 Gonzalo Castro              Uruguay
## 1515                         Adrián                Spain
## 1516                         Joselu                Spain
## 1517                  James Tomkins              England
## 1518                       Siqueira               Brazil
## 1519                  Luca Cigarini                Italy
## 1520                 Keiren Westwood   Republic of Ireland
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## 1521                    Jonas Lössl              Denmark
## 1522                  Mikel Gonzalez                Spain
## 1523                    Paul Aguilar               Mexico
## 1524                 Aythami Artiles                Spain
## 1525                 Andrey Eschenko               Russia
## 1526            Lorenzo De Silvestri                Italy
## 1527               Tarik Elyounoussi               Norway
## 1528                  Scott Sinclair              England
## 1529                 Andrea Masiello                Italy
## 1530              Danijel Milićević   Bosnia Herzegovina
## 1531                  Hugo Rodallega             Colombia
## 1532                  Roman Shishkin               Russia
## 1533              Mikhail Kerzhakov                Russia
## 1534                     Alan Kasaev               Russia
## 1535                      Brad Jones            Australia
## 1536                             Doka               Brazil
## 1537                    Mariano Izco            Argentina
## 1538                   Lior Refaelov               Israel
## 1539                             Caio               Brazil
## 1540                         Eduardo             Portugal
## 1541                    Julien Féret               France
## 1542              Stéphane Sessègnon                Benin
## 1543                 Jonathan Orozco               Mexico
## 1544                         Rolando             Portugal
## 1545                  James Morrison             Scotland
## 1546                    Marvin Matip             Cameroon
## 1547                 Néstor Ortigoza             Paraguay
## 1548                     Jesús Gámez                Spain
## 1549                         Abraham                Spain
## 1550                      Trashorras                Spain
## 1551           Julio Alberto Barroso            Argentina
## 1552                Pirmin Schwegler          Switzerland
## 1553                   Oribe Peralta               Mexico
## 1554                Gelson Fernandes          Switzerland
## 1555                       Aaron Hunt              Germany
## 1556                    Mounir Obbadi              Morocco
## 1557                Guillaume Hoarau               France
## 1558            José de Jesús Corona               Mexico
## 1559                    Charlie Adam             Scotland
## 1560                Alexandr Belenov               Russia
## 1561                    Àngel Rangel                Spain
## 1562                 Jean-Louis Leca               France
## 1563                 Rubens Sambueza            Argentina
## 1564                  Jason Puncheon              England
## 1565                 Jaroslav Drobný       Czech Republic
## 1566                    Wes Hoolahan  Republic of Ireland
## 1567                Vladimir Gabulov               Russia
## 1568                    Diego Castro                Spain
## 1569                           Cejudo                Spain
## 1570                Andrés Fernández                Spain
## 1571                    Yalçın Ayhan               Turkey
## 1572                   Boštjan Cesar             Slovenia
## 1573                 Leonardo Ponzio            Argentina
## 1574             Alejandro Domínguez            Argentina
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## 1575                  Darren Fletcher              Scotland
## 1576                       Marc Janko               Austria
## 1577                    Marco Storari                 Italy
## 1578               Daniele Gastaldello                 Italy
## 1579                 Giampaolo Pazzini                 Italy
## 1580                     Franco Brienza                 Italy
## 1581                     Stijn Schaars           Netherlands
## 1582                            Alexis                 Spain
## 1583                Hasan Ali Kaldırım                Turkey
## 1584                       Ersan Gülüm                Turkey
## 1585                   Marco Borriello                 Italy
## 1586                       Kolo Touré           Ivory Coast
## 1587                     Achille Emaná              Cameroon
## 1588                    Gareth McAuley      Northern Ireland
## 1589                        Artur Boruc                Poland
## 1590                  Alberto Aquilani                 Italy
## 1591                   Wayne Routledge               England
## 1592                  Matthias Lehmann               Germany
## 1593                    Steven Pienaar          South Africa
## 1594                   Ludovic Butelle                France
## 1595                  Emiliano Moretti                 Italy
## 1596                      Jonas Olsson                Sweden
## 1597                     James Collins                 Wales
## 1598                      Nick Rimando         United States
## 1599                    Dario Dainelli                 Italy
## 1600               Maarten Stekelenburg           Netherlands
## 1601                   Paolo Cannavaro                 Italy
## 1602                      Carlos Soler                 Spain
## 1603                          Raphinha                Brazil
## 1604                  Mikel Villanueva             Venezuela
## 1605                    Federico Ricca               Uruguay
## 1606                  Maurício António                Brazil
## 1607                Adalberto Peñaranda             Venezuela
## 1608              Franck Yannick Kessié           Ivory Coast
## 1609                   Rafael Cachoira                Brazil
## 1610                   Nicholas Aldair                Brazil
## 1611                 Luimo Boas Santos                Brazil
## 1612                     Adilson Edrada                Brazil
## 1613                     Allan Bardinho                Brazil
## 1614                       Simão Acunha                Brazil
## 1615                   Gabrisco Aníbal                Brazil
## 1616                       Davi Parrela                Brazil
## 1617                         Kaimo Lima                Brazil
## 1618                        Victildinho                Brazil
## 1619                      Andeson Trigo                Brazil
## 1620                     Kaíquão Castro                Brazil
## 1621                  Dani Rochelinhas                 Brazil
## 1622                     Laure Santeiro                Brazil
## 1623                          Jorginhson               Brazil
## 1624                     Melvin Parrela                Brazil
## 1625                    Otávio Cairinho                Brazil
## 1626                        Caio Nunson                Brazil
## 1627                     Juli Freitinho                Brazil
## 1628                          Alexo Baia               Brazil
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## 1629                    Silas Almeim               Brazil
## 1630                 Simão Donatinho               Brazil
## 1631                  Gastón Pereiro              Uruguay
## 1632                      Aminu Umar              Nigeria
## 1633                  Yoshinori Mutō                Japan
## 1634                Viktor Kovalenko              Ukraine
## 1635                  Kasper Dolberg              Denmark
## 1636               Benjamin Henrichs              Germany
## 1637               Christian Pulisic        United States
## 1638                   Lucas Tousart               France
## 1639                    Jakub Jankto       Czech Republic
## 1640                     André Horta             Portugal
## 1641                Presnel Kimpembe               France
## 1642                         Hernani               Brazil
## 1643                    David García                Spain
## 1644                    Mikel Merino                Spain
## 1645                  Orbelín Pineda               Mexico
## 1646                     Rúben Neves             Portugal
## 1647                  Cristian Pavón            Argentina
## 1648                  Lucas Torreira              Uruguay
## 1649                       Erdem Şen               Turkey
## 1650               Afonso Figueiredo             Portugal
## 1651                   Mario Pašalić              Croatia
## 1652                 Ömer Ali Şahiner               Turkey
## 1653                Toshihiro Aoyama                Japan
## 1654                     Alexis Blin               France
## 1655                    Thomas Touré          Ivory Coast
## 1656                  Godfred Donsah                Ghana
## 1657                            Raúl               Brazil
## 1658                    Mislav Oršić              Croatia
## 1659               Sebastián Driussi            Argentina
## 1660                   Lovre Kalinić              Croatia
## 1661             Rafael Santos Borré             Colombia
## 1662                    Léo Bonatini               Brazil
## 1663                           Jaume                Spain
## 1664                Clément Lenglet               France
## 1665                      Diego Rico                Spain
## 1666                    Alex Alegría                Spain
## 1667                           Munir                Spain
## 1668                            Tana                Spain
## 1669                   Hamari Traoré                 Mali
## 1670                    Edgar Méndez                Spain
## 1671                    Jordan Amavi               France
## 1672               Rodrigo Battaglia            Argentina
## 1673                Ezequiel Cerutti            Argentina
## 1674                          Djavan               Brazil
## 1675               Federico Cartabia            Argentina
## 1676                   Franco Mussis            Argentina
## 1677                Marios Oikonomou               Greece
## 1678                 Yuriy Gazinskiy               Russia
## 1679                     Seko Fofana               France
## 1680                Andrew Robertson             Scotland
## 1681                      Tin Jedvaj              Croatia
## 1682                   Maxwel Cornet               France
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## 1683              Aleksandar Mitrović               Serbia
## 1684                          Naranjo                Spain
## 1685                     Deniz Türüç               Turkey
## 1686                      Rúben Vezo             Portugal
## 1687                 Jonathan Schunke            Argentina
## 1688                Martín Cauteruccio              Uruguay
## 1689                   Lucas Zelarayán            Argentina
## 1690                     Luciano Lollo            Argentina
## 1691                      Milton Casco            Argentina
## 1692                       Paolo Goltz            Argentina
## 1693                     Luis Quiñones             Colombia
## 1694                   William Tesillo             Colombia
## 1695                       Yimmi Chará             Colombia
## 1696                  Jefferson Lerma              Colombia
## 1697            Pierre-Emile Højbjerg               Denmark
## 1698                 Facundo Ferreyra            Argentina
## 1699                 Laurent Depoitre              Belgium
## 1700                          Hernâni             Portugal
## 1701                    Jorrit Hendrix          Netherlands
## 1702                   Leonel Vangioni            Argentina
## 1703                    Arthur Masuaku               France
## 1704                    Avilés Hurtado             Colombia
## 1705                  Riechedly Bazoer          Netherlands
## 1706                         Enzo Roco                Chile
## 1707                     Camilo Vargas             Colombia
## 1708                     Karol Linetty               Poland
## 1709                    Danilo Cataldi                Italy
## 1710                    Ricardo Kishna          Netherlands
## 1711                      Rubén Blanco                Spain
## 1712                  Víctor Rodríguez                Spain
## 1713                    Douglas Santos               Brazil
## 1714                    Renato Steffen          Switzerland
## 1715                   Ridgeciano Haps          Netherlands
## 1716          Garry Mendes Rodrigues           Cape Verde
## 1717                    José Rodríguez                Spain
## 1718                  Dimitrios Siovas               Greece
## 1719                 José Juan Vázquez               Mexico
## 1720                   Derlis González             Paraguay
## 1721                             Gerso        Guinea Bissau
## 1722                        Nathan Aké          Netherlands
## 1723                      Isaac Becerra                Spain
## 1724                 Giancarlo González           Costa Rica
## 1725                        Oumar Niasse              Senegal
## 1726                   Petros Mantalos               Greece
## 1727                           Vitinho               Brazil
## 1728                         Albentosa                Spain
## 1729                 Mike van der Hoorn          Netherlands
## 1730                             Insua                Spain
## 1731                    Eduardo Vargas                Chile
## 1732                       Will Hughes              England
## 1733                      Bogdan Butko              Ukraine
## 1734                   Sergiy Kryvtsov              Ukraine
## 1735                  Luka Milivojević               Serbia
## 1736                  Willard Katsande             Zimbabwe
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## 1737                    Yvon Mvogo          Switzerland
## 1738                 Calum Chambers              England
## 1739                Stefanos Kapino               Greece
## 1740                   Marko Livaja              Croatia
## 1741                   Dwight Gayle              England
## 1742                 Christian Atsu                Ghana
## 1743             Valeri Qazaishvili              Georgia
## 1744                 Soualiho Meïté               France
## 1745                          Ilori             Portugal
## 1746                     Iván Piris             Paraguay
## 1747                   Abdoulaye Ba              Senegal
## 1748              Lorenzo Melgarejo             Paraguay
## 1749                  Víctor Ibarbo             Colombia
## 1750              Benjamin van Leer          Netherlands
## 1751                 Jürgen Locadia          Netherlands
## 1752                   Yassin Ayoub          Netherlands
## 1753                       Edenílson               Brazil
## 1754                 Viktor Fischer              Denmark
## 1755                        Pozuelo                Spain
## 1756                  Adrien Trebel               France
## 1757                        Welthon               Brazil
## 1758                          Mauro               Brazil
## 1759                   Ogenyi Onazi              Nigeria
## 1760                   Rodrigo Mora              Uruguay
## 1761                 Gregoire Defrel               France
## 1762                Federico Viviani                Italy
## 1763              Jérôme Roussillon               France
## 1764                 Jota Peleteiro                Spain
## 1765                    David Juncà                Spain
## 1766                     Bobby Wood        United States
## 1767                    Diego Demme              Germany
## 1768                   Jasmin Kurtić             Slovenia
## 1769              Siniša Anđelković             Slovenia
## 1770                  Dmitriy Poloz               Russia
## 1771                          Ryder               Brazil
## 1772                 Ravel Morrison              England
## 1773                Gaëtan Bussmann               France
## 1774                  André Martins             Portugal
## 1775                  Bogdan Stancu              Romania
## 1776                  Tolga Ciğerci               Turkey
## 1777                     Juan Jesus               Brazil
## 1778                  Carles Planas                Spain
## 1779                   Tomáš Koubek       Czech Republic
## 1780                     Lewis Dunk              England
## 1781                 Luca Caldirola                Italy
## 1782               Erik Sviatchenko              Denmark
## 1783                    Renato Neto               Brazil
## 1784                      Matz Sels              Belgium
## 1785                 Matthew Lowton              England
## 1786                     Oriol Romeu                Spain
## 1787                Roberto Inglese                Italy
## 1788                           Luna                Spain
## 1789                   Lacina Traoré          Ivory Coast
## 1790              Danilo D'Ambrosio                Italy
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## 1791            Nicolas Isimat-Mirin               France
## 1792                   Saphir Taïder              Algeria
## 1793                  Nathan Redmond              England
## 1794                      Kara Mbodj              Senegal
## 1795                  Cristian Gamboa           Costa Rica
## 1796           Pierre-Michel Lasogga              Germany
## 1797                      Róbert Mak             Slovakia
## 1798                  Sérgio Oliveira             Portugal
## 1799                     Ximo Navarro                Spain
## 1800                           Juanmi                Spain
## 1801                          Arribas                Spain
## 1802                        Ivo Pinto             Portugal
## 1803                    Giulio Donati                Italy
## 1804                    Serdar Gürler               Turkey
## 1805           José Pedro Fuenzalida                Chile
## 1806                      Bill Hamid        United States
## 1807                     Gonzalo Jara                Chile
## 1808                   Ishak Belfodil              Algeria
## 1809                    Yuto Nagatomo                Japan
## 1810                      Andy Delort               France
## 1811                    Filip Đuričić               Serbia
## 1812                    Fábio Espinho             Portugal
## 1813                   Steven Caulker              England
## 1814                     Rémy Cabella               France
## 1815                   Nick Viergever          Netherlands
## 1816                Philipp Bargfrede              Germany
## 1817                      Marco Rojas          New Zealand
## 1818                 Marvin Zeegelaar          Netherlands
## 1819                       Steve Cook              England
## 1820                   Carlos Eduardo               Brazil
## 1821                      Miguel Rosa             Portugal
## 1822                     Artur Ioniţă              Moldova
## 1823                    Emmanuel Badu                Ghana
## 1824                      Juan Villar                Spain
## 1825                   Daniel Ginczek              Germany
## 1826                      Sergio Padt          Netherlands
## 1827                       Paul Lasne               France
## 1828                       José Cañas                Spain
## 1829                             Nosa              Nigeria
## 1830                     Maya Yoshida                Japan
## 1831                      Park Joo Ho       Korea Republic
## 1832                       Yūya Ōsako                Japan
## 1833                    Atsuto Uchida                Japan
## 1834                    Takashi Usami                Japan
## 1835                 Ahmed Elmohamady                Egypt
## 1836                  Ervin Zukanović   Bosnia Herzegovina
## 1837        Kévin Théophile-Catherine               France
## 1838                Omar Elabdellaoui               Norway
## 1839                    Yasin Öztekin               Turkey
## 1840                       Ryan Mason              England
## 1841                  Julian Schieber              Germany
## 1842                   Isaac Brizuela               Mexico
## 1843                             Oier                Spain
## 1844                  Dani Castellano                Spain
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## 1845            Panagiotis Tachtsidis                Greece
## 1846                        Fernandão                Brazil
## 1847                   Yannis Salibur                France
## 1848                      Yoric Ravet                France
## 1849                           Lombán                 Spain
## 1850                           Fábio                Brazil
## 1851                        Duje Čop               Croatia
## 1852                      Olcay Şahan                Turkey
## 1853               Cristopher Toselli                 Chile
## 1854                     João Aurélio              Portugal
## 1855                           Caiuby                Brazil
## 1856                      Serdar Aziz                Turkey
## 1857                   Jake Livermore               England
## 1858                 Daniel Brosinski               Germany
## 1859                  Oussama Assaidi               Morocco
## 1860                    Alberto Costa             Argentina
## 1861                   Franck Tabanou                France
## 1862                          Douglão                Brazil
## 1863                        Marco Sau                 Italy
## 1864                   Abel Hernández               Uruguay
## 1865                   Carlos Carmona                 Chile
## 1866                    Ronny Rodelin                France
## 1867                   Mubarak Wakaso                 Ghana
## 1868                      Floyd Ayité                  Togo
## 1869                     Leon Balogun               Nigeria
## 1870                    Matt Phillips              Scotland
## 1871                        Jefferson                Brazil
## 1872                    Matías Suárez             Argentina
## 1873                  Clément Grenier                France
## 1874                  Soslan Dzhanaev                Russia
## 1875                     Rafael Tolói                Brazil
## 1876                 Dmitriy Kombarov                Russia
## 1877                     Jesús Dueñas                Mexico
## 1878              Matias Pérez García             Argentina
## 1879                    Kyle Naughton               England
## 1880                   Filip Đorđević                Serbia
## 1881         Jan-Arie van der Heijden           Netherlands
## 1882                        Joel Ward               England
## 1883           Theodor Gebre Selassie        Czech Republic
## 1884              Patrick van Aanholt           Netherlands
## 1885                    James Chester                 Wales
## 1886                     Geoffrey Bia               Belgium
##       National_Position National_Kit                Club Club_Position
## 1                    LS            7          Real Madrid            LW
## 2                    RW           10         FC Barcelona            RW
## 3                    LW           10         FC Barcelona            LW
## 4                    LS            9         FC Barcelona            ST
## 5                    GK            1            FC Bayern            GK
## 6                    GK            1       Manchester Utd            GK
## 7                    LS            9            FC Bayern            ST
## 8                    RS           11          Real Madrid            RW
## 9                                 NA       Manchester Utd            ST
## 10                   GK            1              Chelsea            GK
## 11                  RCB           17            FC Bayern           RCB
```

```
## 12                    LF          10             Chelsea           LW
## 13                                NA         Real Madrid          RCM
## 14                   CAM          10             Arsenal          CAM
## 15                   Sub           9            Juventus           ST
## 16                   Sub          14                 PSG          LCB
## 17                   LCB          15         Real Madrid          LCB
## 18                   Sub           7     Manchester City           ST
## 19                                NA      Manchester Utd          LCM
## 20                   CAM           7     Atlético Madrid           RS
## 21                   RCM           7     Manchester City          RCM
## 22                                NA       Bor. Dortmund           LW
## 23                    LW           7             Arsenal           ST
## 24                   LDM           8         Real Madrid          LCM
## 25                   LCB           3     Atlético Madrid          LCB
## 26                   LCB           5           FC Bayern          LCB
## 27                    GK           1               Spurs           GK
## 28                   LCB           3            Juventus          LCB
## 29                                NA           FC Bayern           RB
## 30                   RCB           3         Real Madrid          RCB
## 31                                NA             Arsenal           GK
## 32                    GK           1            Juventus           GK
## 33                   LCM           6        FC Barcelona           LM
## 34                    GK           1     Atlético Madrid           GK
## 35                   LAM          10         Real Madrid          CAM
## 36                                NA       Bor. Dortmund           ST
## 37                    CB          19            Juventus          RCB
## 38                   CDM           8           FC Bayern          LDM
## 39                                NA        FC Barcelona          CAM
## 40                    LM          21     Manchester City          LCM
## 41                                NA               Inter           GK
## 42                   RCB           3        FC Barcelona          RCB
## 43                    RW          11           FC Bayern           RM
## 44                   Sub          21            Juventus          CAM
## 45                   LCM          10                 PSG          RCM
## 46                    LM           8           FC Bayern           LB
## 47                                NA      Manchester Utd           RW
## 48                   Sub          12            Bayer 04           GK
## 49                    RM          13           FC Bayern          CAM
## 50                   CDM           5        FC Barcelona          CDM
## 51                   Sub          10           FC Bayern          RDM
## 52                    LB          18        FC Barcelona          LCB
## 53                    RW          11           Liverpool           LW
## 54                    LW          11                 PSG           RW
## 55                    ST          19             Chelsea           ST
## 56                    RS          21                 PSG           ST
## 57                   Sub          16                Roma           LF
## 58                    LB          16         Real Madrid           LB
## 59                                NA            Juventus
## 60                   RCB           3               Inter          RCB
## 61                                NA         Real Madrid           ST
## 62                                NA             Chelsea
## 63                                NA           FC Bayern
## 64                                NA             Arsenal
## 65                   RCB          15            Juventus          RCB
```

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## 66                    ST          9                Spurs          RS
## 67                               NA       Olym. Lyonnais          ST
## 68                               NA          Real Madrid          GK
## 69                    ST          9              Everton          ST
## 70                    CM         10                Spurs         CAM
## 71                               NA      Manchester City
## 72                   RCB          2                Spurs          CB
## 73                   Sub         19              Chelsea         Sub
## 74                               NA             Juventus         RDM
## 75                               NA       Manchester Utd
## 76                   Sub          4            FC Bayern         RCB
## 77                    LM          8      Olym. Marseille          LW
## 78                    RF         14               Napoli          ST
## 79                   RCB         19        Bor. Dortmund          CB
## 80                               NA               Napoli         LCM
## 81                  LDM         14                  PSG         LCM
## 82                               NA     AS Saint-Étienne          GK
## 83                   RCB         21              Arsenal         LCB
## 84                   Sub          6      Atlético Madrid          LB
## 85                    CB          3      Manchester City          CB
## 86                               NA      Athletic Bilbao         LCB
## 87                    LM         18      Atlético Madrid          LM
## 88                    RB         12          Real Madrid          RB
## 89                               NA       Leicester City          RM
## 90                               NA          Real Madrid
## 91                               NA                Inter          ST
## 92                   Sub         20               Napoli          LW
## 93                   Sub         22          Real Madrid         Sub
## 94                   RCM          8      Atlético Madrid          RM
## 95                   LCB          4                 Roma         RCB
## 96                               NA            AS Monaco          GK
## 97                   RCB         17      Manchester City         LCB
## 98                   Sub          2              Arsenal         RCB
## 99                               NA              Chelsea         LCM
## 100                              NA             Juventus          LB
## 101                  RCB         15            AS Monaco         RCB
## 102                  Sub          7            FC Bayern          LM
## 103                  CDM          6                 Roma         LCM
## 104                              NA      Atlético Madrid
## 105                              NA        Villarreal CF         LCM
## 106                              NA                Inter         LAM
## 107                              NA              Chelsea          CB
## 108                  RDM          6             Juventus         LDM
## 109                  Sub          4        FC Schalke 04         RCB
## 110                              NA        FC Schalke 04          GK
## 111                              NA        Villarreal CF
## 112                  CAM         19                Inter         CAM
## 113                              NA             Juventus
## 114                              NA       Crystal Palace
## 115                   RB          2             Juventus          RB
## 116                   RM         10         FC Barcelona          RM
## 117                  LCM         14         FC Barcelona         LCM
## 118                              NA      Athletic Bilbao          ST
## 119                              NA      Manchester City         CDM
```

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## 120                RCB          9      Manchester Utd          RCB
## 121                RCB          2     Atlético Madrid          RCB
## 122                RDM         13             Chelsea          RCM
## 123                            NA       Real Sociedad           GK
## 124                 LM         10               Inter           LM
## 125                 CM         15        FC Barcelona           CM
## 126                LCB         13                 PSG          RCB
## 127                 ST          7               Milan           ST
## 128                CDM         14         Sporting CP          CDM
## 129                            NA            Bayer 04           RM
## 130                 RM          7     Manchester City           RW
## 131                 LM          7                 PSG           LW
## 132                 ST         21           Liverpool           ST
## 133                LCB         16      Manchester Utd          LCB
## 134                            NA              Napoli          LCB
## 135                Sub         13            FC Porto          CDM
## 136                            NA          1. FC Köln           GK
## 137                CDM          5         Real Madrid          CDM
## 138                Sub         20          Sevilla FC           LM
## 139                Sub         12      Olym. Lyonnais           GK
## 140                            NA               Genoa
## 141                            NA           Liverpool          RCB
## 142                RAM         11            Juventus           RM
## 143                Sub          9          Celta Vigo           RW
## 144                Sub         22        FC Barcelona           GK
## 145                            NA       Bor. Dortmund
## 146                Sub         17      Manchester Utd          RCM
## 147                            NA                 PSG
## 148                Sub         15      Manchester Utd          LCB
## 149                 RM         11             Chelsea           RW
## 150                            NA               Milan
## 151                Sub         21       Bor. Dortmund           GK
## 152                Sub         20         Free Agents          Sub
## 153                            NA          Sevilla FC          LDM
## 154                LCM         10             Arsenal          LCM
## 155                Sub         15       Villarreal CF          RCB
## 156                RCB          5            Bayer 04          RCB
## 157                            NA              Napoli           RW
## 158                            NA         Sporting CP           CM
## 159                Sub          2             Chelsea          RCB
## 160                            NA          Toronto FC           LS
## 161                            NA          1. FC Köln           LS
## 162                            NA            Juventus           LM
## 163                 LM         11           Liverpool          RCM
## 164                 ST          9             Arsenal           ST
## 165                 GK          1         Sporting CP           GK
## 166                 GK          1     Bor. M'gladbach           GK
## 167                            NA          SL Benfica           LS
## 168                Sub         10     Atlético Madrid           LS
## 169                 GK          1     Manchester City           GK
## 170                 RB         20       Bor. Dortmund          RCB
## 171                LCB          5               Spurs          LCB
## 172                            NA             Chelsea
## 173                            NA       FC Schalke 04
```

```
## 174                          NA          Liverpool
## 175                LCB        6           West Ham          RCB
## 176                          NA        Valencia CF         RCB
## 177                          NA         Sevilla FC         CAM
## 178                LCB        5            Chelsea          LCB
## 179                 CB        6            Everton          LCB
## 180                          NA            Everton           LB
## 181                 GK        1     Leicester City           GK
## 182                          NA         Fiorentina           RF
## 183                          NA                PSG
## 184                 GK        1             Torino           GK
## 185                          NA    Atlético Madrid           RB
## 186                Sub       20        Galatasaray          CAM
## 187                Sub       17        Valencia CF           LW
## 188                 RB        2           Juventus           RB
## 189                Sub       10     Manchester Utd          Sub
## 190                CDM       16               Roma          RCM
## 191                Sub       23             Napoli           GK
## 192                 RM       20           Beşiktaş           RM
## 193                          NA        Real Madrid
## 194                Sub       11          AS Monaco           RM
## 195                          NA     Leicester City
## 196                          NA           Bayer 04
## 197                          NA     Manchester Utd           LW
## 198                CAM       16              Spurs           LS
## 199                Sub       23         SL Benfica           GK
## 200                 ST       10               Roma           RF
## 201                          NA          Liverpool           RW
## 202                          NA        Real Madrid
## 203                          NA         Sevilla FC
## 204                          NA      Villarreal CF          RCM
## 205                LCB       22       FC Barcelona           CB
## 206                          NA    Atlético Madrid          RCB
## 207                          NA      UD Las Palmas          CDM
## 208                          NA          Liverpool
## 209                          NA               Roma
## 210                LCB        4        Southampton          LCB
## 211                          NA         Stoke City
## 212                Sub        7        Real Madrid          Sub
## 213                          NA                PSG
## 214                          NA      FC Schalke 04
## 215                          NA           Sassuolo          RCB
## 216                          NA    Manchester City
## 217                LDM       10            Arsenal          LDM
## 218                Sub       15              Lazio          RCB
## 219                          NA      UD Las Palmas          LCM
## 220                          NA         SL Benfica           CM
## 221                 RB       23                PSG           RB
## 222                RCM       10                PSG          RCM
## 223                Sub       20           Bayer 04          LDM
## 224                          NA          Liverpool          LCB
## 225                RCB       17              Inter          RCB
## 226                          NA            Everton          RDM
## 227                          NA      Villarreal CF          LCB
```

```
## 228                LB          13       VfL Wolfsburg          LCB
## 229               RAM          23          Stoke City           RM
## 230                LS          11               Lazio           ST
## 231               Sub          12           Liverpool           RB
## 232                            NA          Sevilla FC
## 233                            NA         Bournemouth
## 234                            NA       Bor. Dortmund
## 235                            NA                 PSG           GK
## 236               Sub          22    Shakhtar Donetsk           LM
## 237                RB           2               Spurs          RWB
## 238                            NA    Shakhtar Donetsk           RM
## 239                            NA       VfL Wolfsburg          LDM
## 240               Sub          18               Zenit          RCM
## 241                            NA        Swansea City           LM
## 242                            NA            FC Porto           LM
## 243                LF           7          Stoke City           LM
## 244               RDM           8           Liverpool          CDM
## 245                GK           1             Udinese           GK
## 246                            NA      Crystal Palace          LCB
## 247               Sub           5          Sevilla FC          RCB
## 248                GK           1         Galatasaray           GK
## 249                            NA    Lokomotiv Moscow          RCB
## 250                            NA                Roma           ST
## 251                RB           2             Everton           RB
## 252                ST          14            Bayer 04           ST
## 253                            NA     Athletic Bilbao          LCM
## 254                            NA            Bayer 04          RDM
## 255               LCM           6         Free Agents          LCM
## 256                            NA             Everton          LDM
## 257               Sub          11             Everton           LM
## 258                RW          11       Real Sociedad           RW
## 259                            NA           Sampdoria           GK
## 260                RM          16      Manchester Utd           RB
## 261                            NA       Bor. Dortmund          LCM
## 262                            NA           AS Monaco           RS
## 263               Sub          12         Valencia CF           GK
## 264                            NA            Sassuolo           GK
## 265               Sub           8           AS Monaco          Sub
## 266               Sub          19               Spurs          LCM
## 267               Sub          14          Sevilla FC          Sub
## 268                            NA    AS Saint-Étienne          LCB
## 269               RCM           6               Lazio          CDM
## 270               Sub          23       Stade Rennais           GK
## 271                            NA              Napoli          RCB
## 272                ST          23       VfL Wolfsburg           ST
## 273                            NA     Atlético Madrid          RCM
## 274                            NA        RCD Espanyol           GK
## 275                            NA     Bor. M'gladbach           LS
## 276                            NA            Atalanta           LS
## 277                            NA          Fiorentina           CB
## 278                            NA          LOSC Lille           GK
## 279                            NA        Orlando City
## 280               Sub          17     Manchester City          Sub
## 281                            NA               NYCFC           ST
```

```
## 282                          NA       Middlesbrough          GK
## 283                          NA             Arsenal
## 284                          NA     Olym. Marseille          LB
## 285                          NA           FC Bayern
## 286                          NA      Manchester Utd         CDM
## 287                          NA               NYCFC          CM
## 288                          NA            FC Porto          GK
## 289                  RM      11       Bor. Dortmund          RW
## 290                 Sub       6      Olym. Lyonnais         LCM
## 291                          NA               Inter
## 292                 Sub      21          Fiorentina          LF
## 293                 Sub      11     1899 Hoffenheim         RCB
## 294                          NA           Sassuolo          RW
## 295                          NA     Olym. Marseille         LCM
## 296                          NA       Villarreal CF          RM
## 297                 Sub      18                 PSG         CDM
## 298                          NA       FC Schalke 04         CAM
## 299                  LW       7      Spartak Moscow          RM
## 300                  RS      23              Torino          ST
## 301                  LB       3          1. FC Köln          LB
## 302                          NA         Real Madrid
## 303                 Sub      13          Sevilla FC          GK
## 304                          NA               Zenit          LW
## 305                          NA              Napoli
## 306                 Sub      17     Olym. Marseille          RW
## 307                 Sub      22             Chelsea         Sub
## 308                          NA       Real Sociedad         LCB
## 309                          NA               Milan          RW
## 310                 Sub      14               Milan          LW
## 311                          NA               Lazio          RW
## 312                 Sub      23        FC Barcelona         Sub
## 313                          NA          Sevilla FC
## 314                          NA             Arsenal
## 315                 Sub      22             Everton          RM
## 316                          NA       Villarreal CF          LS
## 317                          NA       Bor. Dortmund         LCB
## 318                 Sub       9       Bor. Dortmund         Sub
## 319                          NA             Watford
## 320                          NA       Villarreal CF          RB
## 321                 Sub      14         Valencia CF         CAM
## 322                  GK       1     Eint. Frankfurt          GK
## 323                  LB       5      Manchester Utd          LB
## 324                          NA     Athletic Bilbao          RB
## 325                 Sub      12          Stoke City         Sub
## 326                          NA     Athletic Bilbao
## 327                          NA         Valencia CF         LCM
## 328                  RS      23           West Brom          ST
## 329                          NA          Sevilla FC
## 330                 Sub      19         Sporting CP          RS
## 331                 LDM       8             Everton         LDM
## 332                          NA           Málaga CF         RDM
## 333                 RCM      15         Free Agents         RCM
## 334                 LDM      10         CSKA Moscow         RDM
## 335                          NA               Zenit
```

```
## 336                          NA      Bor. M'gladbach          RS
## 337                          NA             OGC Nice          ST
## 338                Sub        1                 Roma          GK
## 339                          NA           Fiorentina          ST
## 340                          NA      Athletic Bilbao         RCM
## 341                Sub       20       Crystal Palace          ST
## 342                RCM       18                Lazio         RCM
## 343                          NA           SL Benfica         CDM
## 344                          NA          Southampton
## 345                RCM        8            Liverpool         LCM
## 346                          NA                 Roma          CB
## 347                RCB        4           Fenerbahçe         RCB
## 348                          NA       Crystal Palace
## 349                LCM        7             FC Porto         LCM
## 350                          NA           Real Betis          GK
## 351                          NA           Sevilla FC
## 352                          NA        Bor. Dortmund
## 353                          NA       Olym. Lyonnais
## 354                          NA      1. FSV Mainz 05
## 355                          NA      Atlético Madrid
## 356                 RM        6                Inter         RAM
## 357                Sub       13           Fiorentina         LCB
## 358                          NA      Athletic Bilbao         CAM
## 359                          NA            LA Galaxy
## 360                          NA                 Spurs
## 361                          NA           Stoke City         RCB
## 362                 LB        3                 Spurs         LWB
## 363                LCM        8          Free Agents         LCM
## 364                          NA           Fenerbahçe         LCB
## 365                          NA              Arsenal          RM
## 366                          NA      Manchester City          RB
## 367                          NA             OGC Nice         LCB
## 368                 LM        8           Hertha BSC          LM
## 369                          NA               Tigres          ST
## 370                          NA          Galatasaray          ST
## 371                          NA        Middlesbrough          ST
## 372                          NA      Manchester City
## 373                          NA     Shakhtar Donetsk          RB
## 374                          NA      Giron. Bordeaux          GK
## 375                          NA           Real Betis          ST
## 376                          NA         FC Barcelona
## 377                          NA            Málaga CF          GK
## 378                          NA      Atlético Madrid
## 379                 GK        1           Hertha BSC          GK
## 380                          NA           Sunderland          ST
## 381                          NA                  PSG
## 382                          NA      Atlético Madrid
## 383                          NA           SL Benfica
## 384                          NA           Free agent          ST
## 385                          NA                Zenit
## 386                          NA              Chelsea
## 387                          NA          Antalyaspor          ST
## 388                          NA      Atlético Madrid
## 389                Sub       23          Sporting CP          RM
```

```
## 390                Sub          19     Manchester City          LW
## 391                Sub          15       Bor. Dortmund         RCM
## 392                             NA      Olym. Lyonnais         CAM
## 393                Sub           5            OGC Nice         LCM
## 394                             NA     Athletic Bilbao          RW
## 395                             NA          Fiorentina
## 396                             NA               Lazio          LW
## 397                             NA              Napoli
## 398                Sub          20           AS Monaco          LM
## 399                             NA           FC Bayern
## 400                 GK           1                Roma          GK
## 401                 RB          18           FC Bayern          RB
## 402                Sub          20            Bayer 04          LM
## 403                             NA         Southampton
## 404                             NA         Galatasaray          LM
## 405                             NA            Juventus
## 406                 LB           5       Bor. Dortmund          LM
## 407                             NA           AS Monaco         RDM
## 408                Sub          19      Leicester City          LS
## 409                             NA                Ajax         LCM
## 410                 LM          10          RB Leipzig         LAM
## 411                             NA     Atlético Madrid         LCM
## 412                             NA            FC Porto         RCB
## 413                             NA    Shakhtar Donetsk         LDM
## 414                             NA      Manchester Utd
## 415                             NA        RCD Espanyol
## 416                Sub          16                Roma         LCB
## 417                             NA       FC Schalke 04         LCB
## 418                             NA        FC Barcelona
## 419                             NA              Chelsea
## 420                LCB           6          Hertha BSC         LCB
## 421                             NA              Arsenal          RB
## 422                Sub          21     Bor. M'gladbach         Sub
## 423                LCM          10                Ajax         RCM
## 424                             NA           AS Monaco          LS
## 425                             NA       VfL Wolfsburg
## 426                Sub           3                 PSG          LB
## 427                             NA        FC Barcelona          RM
## 428                Sub          13               Inter         LCB
## 429                             NA          Fiorentina
## 430                 RB          19           AS Monaco          RB
## 431                             NA         Real Madrid
## 432                CAM           7          Fiorentina         CAM
## 433                             NA            Bayer 04         CAM
## 434                             NA              Napoli
## 435                LCM          19          Celta Vigo         CAM
## 436                             NA        FC Barcelona
## 437                 RM          10      Crystal Palace          LM
## 438                             NA         Southampton          ST
## 439                             NA       VfL Wolfsburg
## 440                             NA     Bor. M'gladbach          RM
## 441                Sub          19         Sporting CP         RCB
## 442                RDM          14            Beşiktaş         LDM
## 443                             NA    Shakhtar Donetsk         LCB
```

```
## 444                          NA      Manchester Utd
## 445                          NA            West Ham
## 446                          NA            Juventus
## 447                          NA          Celta Vigo          RB
## 448                          NA       VfL Wolfsburg         RAM
## 449                          NA            OGC Nice          LW
## 450                          NA     1899 Hoffenheim          GK
## 451                          NA         CSKA Moscow          RB
## 452                          NA       Villarreal CF          LM
## 453                          NA            FC Porto          RM
## 454                          NA      Olym. Lyonnais         RCM
## 455                Sub       16                 PSG         Sub
## 456                CAM       19       VfL Wolfsburg         LAM
## 457                          NA          SL Benfica          RM
## 458                          NA                Roma
## 459                          NA              Torino          RW
## 460                Sub       12         FC Augsburg          GK
## 461                          NA     Bor. M'gladbach
## 462                          NA             Arsenal         LDM
## 463                          NA       Bor. Dortmund
## 464                          NA     Montpellier HSC         CAM
## 465                          NA          Sevilla FC
## 466                          NA        FC Krasnodar          ST
## 467                CDM        6           FC Rostov         LCM
## 468                          NA            Juventus
## 469                          NA      Leicester City
## 470                          NA             Arsenal          LM
## 471                          NA      Leicester City         RCM
## 472                          NA     Manchester City
## 473                Sub        4      Manchester Utd         Sub
## 474                          NA     Bor. M'gladbach
## 475                          NA                Roma
## 476                          NA            West Ham
## 477                          NA       Werder Bremen          LS
## 478                 ST       11          SL Benfica          RS
## 479                          NA             Watford
## 480                          NA          Sevilla FC          ST
## 481                Sub       17          Fenerbahçe          RM
## 482                          NA               Zenit         RCB
## 483                Sub       17               Inter         Sub
## 484                          NA        Real Madrid
## 485                Sub       16             Arsenal          LB
## 486                          NA      Spartak Moscow
## 487                Sub       21          Celta Vigo         Sub
## 488                          NA            West Ham
## 489                          NA            West Ham         LCB
## 490                          NA           Liverpool
## 491                          NA       UD Las Palmas          ST
## 492                LCB       15                 PSV         LCB
## 493                          NA               Inter          LB
## 494                Sub       18          Celta Vigo         LCM
## 495                          NA       FC Schalke 04
## 496                Sub       18                 PSV         CDM
## 497                CAM        8       Villarreal CF         CAM
```

```
## 498                Sub          14         Southampton          LB
## 499                             NA          SL Benfica
## 500                             NA          CA Osasuna          GK
## 501                             NA      Crystal Palace         LCM
## 502                             NA    Lokomotiv Moscow          LB
## 503                             NA               Lazio          RB
## 504                             NA          Celta Vigo         RCB
## 505                             NA               Milan         RCB
## 506                 GK          22        Swansea City          GK
## 507                             NA           West Brom          GK
## 508                             NA          Hertha BSC          ST
## 509                LCB           4        FC Krasnodar         RCB
## 510                RCM          16            FC Porto         RCM
## 511                 GK           1         CSKA Moscow          GK
## 512                             NA         San Lorenzo         RCM
## 513                             NA    Shakhtar Donetsk          GK
## 514                             NA             Bologna          GK
## 515                             NA               Lazio          GK
## 516                             NA           Liverpool          LB
## 517                Sub          22               Spurs         Sub
## 518                             NA         FC Augsburg         LDM
## 519                RCM          13           Beşiktaş         RDM
## 520                LCB          15          Fenerbahçe         RDM
## 521                             NA        Chicago Fire         LCM
## 522                             NA        Hamburger SV          GK
## 523                             NA     Giron. Bordeaux         CDM
## 524                             NA             Everton         RCB
## 525                             NA       Chievo Verona          GK
## 526                             NA          Fenerbahçe
## 527                             NA             Everton
## 528                             NA                Roma
## 529                Sub          12               Milan          GK
## 530                Sub           4          SL Benfica          RB
## 531                             NA        RC Deportivo          ST
## 532                             NA               Lazio         LCM
## 533                             NA             Al Ahli          ST
## 534                             NA          Real Betis
## 535                RCB           3          SL Benfica         LCB
## 536                             NA          RB Leipzig         RDM
## 537                Sub           4           AS Monaco         LDM
## 538                             NA     Bor. M'gladbach         LDM
## 539                             NA         Sporting CP
## 540                             NA          SL Benfica
## 541                             NA            SD Eibar         LDM
## 542                             NA          SL Benfica
## 543                 ST          20     Atlético Madrid          ST
## 544                 CB           6     Bor. M'gladbach         RCB
## 545                             NA       FC Schalke 04         RDM
## 546                Sub          16        FC Krasnodar          GK
## 547                Sub          17           Liverpool         Sub
## 548                             NA       FC Schalke 04
## 549                             NA         Valencia CF          LB
## 550                             NA               Torino         RCM
## 551                             NA            SC Braga         CAM
```

```
## 552                          NA              Napoli            RB
## 553                          NA          Valencia CF
## 554                 Sub       5               Milan           LCB
## 555                 LCM      19              Napoli           RCM
## 556                          NA                Roma            RM
## 557                          NA            OGC Nice
## 558                          NA            FC Porto            CM
## 559                          NA        Hamburger SV            LM
## 560                 Sub      14           Liverpool           Sub
## 561                          NA       Bor. Dortmund
## 562                          NA          Sevilla FC
## 563                          NA     Athletic Bilbao            GK
## 564                          NA       VfL Wolfsburg           CAM
## 565                          NA            OGC Nice
## 566                          NA       Villarreal CF
## 567                          NA   Medipol Başakşehir            RM
## 568                          NA    Shakhtar Donetsk
## 569                          NA              Torino           LCM
## 570                  RS       7              Napoli            RS
## 571                          NA           FC Bayern
## 572                          NA     Atlético Madrid
## 573                          NA           Feyenoord           RCB
## 574                 RCB       6     Manchester City           RCB
## 575                 LCB       3     Bor. M'gladbach           LCB
## 576                          NA         Valencia CF            ST
## 577                          NA      Olym. Lyonnais
## 578                          NA      Spartak Moscow           RDM
## 579                 Sub      21      Olym. Lyonnais            LW
## 580                          NA       UD Las Palmas            LM
## 581                  RM      15                 PSG            RB
## 582                 LDM       4               Spurs           RCB
## 583                          NA        Swansea City           RCB
## 584                 Sub       9       Villarreal CF           Sub
## 585                          NA       Middlesbrough
## 586                          NA              Napoli            LB
## 587                          NA             Arsenal
## 588                 RDM       8          Hertha BSC           CAM
## 589                  RB      21         Southampton            RB
## 590                          NA              Napoli
## 591                          NA          FC Lorient            GK
## 592                          NA        FC Barcelona
## 593                          NA        FC Barcelona
## 594                          NA               Spurs
## 595                          NA       UD Las Palmas           RCM
## 596                 Sub       6        RC Deportivo           CAM
## 597                          NA            FC Porto
## 598                          NA         Southampton            LW
## 599                          NA         Real Madrid
## 600                          NA          Sevilla FC            RM
## 601                 Sub      18              Arsenal           RDM
## 602                          NA          1. FC Köln           RDM
## 603                          NA            SD Eibar           LCB
## 604                          NA          Stoke City
## 605                 Sub      14         Sounders FC            RM
```

```
## 606                          NA        FC Schalke 04
## 607                RCB        3        VfL Wolfsburg          RCB
## 608                          NA        Real Sociedad           ST
## 609                          NA           Sunderland
## 610                          NA            Málaga CF           RM
## 611                Sub        4          Free Agents          Sub
## 612                Sub        7          Toulouse FC          LAM
## 613                          NA        Villarreal CF           LB
## 614                          NA     AS Saint-Étienne           RM
## 615                          NA           Sevilla FC           LB
## 616                          NA              Chelsea          LWB
## 617                          NA        FC Schalke 04
## 618                          NA          Sounders FC          RDM
## 619                          NA                Milan          RCM
## 620                 GK        1                  PSV           GK
## 621                          NA        Real Sociedad           CM
## 622                          NA               Torino           LW
## 623                          NA          Valencia CF          LCB
## 624                          NA        Real Sociedad
## 625                          NA      Athletic Bilbao           LB
## 626                          NA       Olym. Lyonnais
## 627                Sub       21      1899 Hoffenheim           CM
## 628                          NA          Rubin Kazan           ST
## 629                RCB        3             Bayer 04          LCB
## 630                          NA             West Ham          CAM
## 631                          NA                Spurs          RCM
## 632                          NA            Hull City          RCM
## 633                Sub        3       Olym. Lyonnais          Sub
## 634                 GK        1   Medipol Başakşehir           GK
## 635                          NA             FC Basel           ST
## 636                          NA         FC Krasnodar
## 637                Sub       22                Zenit           ST
## 638                          NA       Spartak Moscow
## 639                          NA          Rubin Kazan          LDM
## 640                          NA              Arsenal
## 641                          NA           Sevilla FC           RB
## 642                          NA             West Ham           RM
## 643                          NA      Manchester City
## 644                          NA            West Brom
## 645                          NA         RCD Espanyol
## 646                          NA                Spurs
## 647                 RB       16             FC Porto           RB
## 648                          NA         RC Deportivo          LCB
## 649                          NA      Olym. Marseille          CDM
## 650                          NA                Genoa          LCM
## 651                          NA             Beşiktaş           GK
## 652                          NA        VfL Wolfsburg
## 653                 LB       23      Bor. M'gladbach           LM
## 654                          NA             Beşiktaş
## 655                          NA          Sporting CP           LM
## 656                 RS       11        Panathinaikos           ST
## 657                          NA          CSKA Moscow          LDM
## 658                 GK        1              Arsenal           GK
## 659                          NA      Montreal Impact
```

```
## 660                RM          10       Chievo Verona          CAM
## 661                            NA               Milan
## 662                            NA            FC Porto          LCB
## 663               Sub          12           Liverpool           GK
## 664                GK           1      Manchester Utd           GK
## 665                            NA               Zenit           LB
## 666                            NA              Torino          LCB
## 667                            NA          Fenerbahçe
## 668                            NA            Portland          CAM
## 669                            NA       Bor. Dortmund
## 670               LCB           5           West Brom          LCB
## 671                            NA             Udinese          RCB
## 672                            NA          Sevilla FC
## 673                            NA               Lazio           LB
## 674                            NA               Zenit
## 675                            NA          Celta Vigo
## 676                            NA        Swansea City           ST
## 677                            NA     Olym. Marseille           ST
## 678                            NA             Arsenal
## 679                            NA          Stoke City
## 680                            NA    Lokomotiv Moscow
## 681                            NA    Lokomotiv Moscow          CAM
## 682                            NA      Crystal Palace
## 683                            NA         Sounders FC          CAM
## 684               CDM           4          Toronto FC          CDM
## 685                            NA       Stade Rennais           RS
## 686                            NA     Montpellier HSC          RCB
## 687                            NA           Bursaspor          CAM
## 688                            NA     Manchester City           LB
## 689                            NA       FC Schalke 04
## 690                            NA          SL Benfica          RCB
## 691                            NA         CSKA Moscow          RCB
## 692                            NA    Lokomotiv Moscow          RDM
## 693                RM          19      Spartak Moscow           RM
## 694                            NA     Manchester City
## 695                            NA       Real Sociedad          RCM
## 696                            NA        RCD Espanyol          RDM
## 697                            NA              Necaxa           GK
## 698                            NA         Racing Club           LS
## 699                GK          13          Granada CF           GK
## 700               Sub           2            Cagliari          RCB
## 701                ST          17         Free Agents           ST
## 702                            NA       VfL Wolfsburg           GK
## 703                            NA         CSKA Moscow           RM
## 704                            NA                 PSG
## 705                            NA      Djurgårdens IF          LCM
## 706                GK           1     Colorado Rapids           GK
## 707                            NA           Málaga CF
## 708               Sub          20      Manchester Utd          Sub
## 709               CAM          23         Free Agents          CAM
## 710               Sub           9     Manchester City          Sub
## 711                            NA       Real Sociedad           LW
## 712                RS          18            FC Porto           RS
## 713                            NA            FC Porto           LS
```

```
## 714                          NA          Celta Vigo          RCM
## 715                Sub       18         Racing Club           LM
## 716                          NA      Sporting Gijón          RCB
## 717                          NA           Málaga CF
## 718                          NA          Real Betis
## 719                          NA          Angers SCO          RCM
## 720                          NA         Club Brugge           LW
## 721                          NA            SD Eibar          RDM
## 722                          NA          Celta Vigo           LW
## 723                          NA         San Lorenzo           GK
## 724                          NA          Levante UD           LM
## 725                          NA            Bayer 04           LB
## 726                          NA     1899 Hoffenheim           LS
## 727                Sub       22              Torino           RB
## 728                          NA           AS Monaco          LCB
## 729                          NA         River Plate           LS
## 730                Sub       18             Udinese           ST
## 731                          NA            OGC Nice
## 732                          NA           Málaga CF
## 733                          NA            FC Porto           LB
## 734                          NA          RB Leipzig
## 735                          NA     Bor. M'gladbach
## 736                          NA         Sporting CP          LCB
## 737                          NA      Olym. Lyonnais           RW
## 738                          NA          SL Benfica
## 739                Sub        5               Spurs          Sub
## 740                          NA           Querétaro           GK
## 741                Sub       12                Ajax           RB
## 742                          NA       FC Schalke 04           LB
## 743                Sub        5              Tigres          LDM
## 744                Sub       17             Burnley          RCB
## 745                Sub       21      Manchester Utd          Sub
## 746                          NA       UD Las Palmas          LCB
## 747                RCB        6              Napoli          RCB
## 748                LCB        4               Spurs          LCB
## 749                 RM        5           Monterrey          CAM
## 750                          NA               Genoa
## 751                          NA            SD Eibar           LM
## 752                Sub        9          SL Benfica          Sub
## 753                          NA         Sporting CP
## 754                          NA                Roma
## 755                          NA             Watford
## 756                          NA     Bor. M'gladbach
## 757                CAM       10      Olympiakos CFP          CAM
## 758                          NA        FC Krasnodar           LW
## 759                 RM       18          SL Benfica           RM
## 760                          NA       Panathinaikos          LCB
## 761                          NA       FC Schalke 04
## 762                          NA         Hannover 96          LCB
## 763                          NA          Fiorentina          LCM
## 764                          NA             América           GK
## 765                Sub       14      RSC Anderlecht           ST
## 766                          NA           West Brom           LM
## 767                          NA          Fiorentina
```

```
## 768                          NA          Real Betis          LCB
## 769                          NA       Bor. Dortmund
## 770                  LS       9           Feyenoord           ST
## 771                 Sub       9          Celta Vigo           ST
## 772                 Sub      13          Stoke City          LCB
## 773                          NA        Southampton
## 774                 RCM      20            Bayer 04          RCM
## 775                  GK       1            KRC Genk           GK
## 776                          NA           Monterrey           ST
## 777                          NA        Valencia CF
## 778                          NA       Stade Rennais          RCB
## 779                 Sub       8        Valencia CF          RCM
## 780                          NA     Rosario Central           RS
## 781                          NA           Monterrey           LW
## 782                          NA        Southampton
## 783                          NA       Swansea City
## 784                          NA            SD Eibar           ST
## 785                 RCM      17       RCD Espanyol           RM
## 786                 RCM       8      Werder Bremen          LCM
## 787                          NA                PSV          RCM
## 788                 Sub       9           Beşiktaş           ST
## 789                          NA      VfL Wolfsburg
## 790                          NA              Napoli
## 791                          NA           West Brom           RB
## 792                          NA     1899 Hoffenheim           CB
## 793                          NA          Celta Vigo
## 794                          NA      Werder Bremen          RCB
## 795                          NA            West Ham
## 796                          NA       Whitecaps FC           ST
## 797                          NA       RC Deportivo          LDM
## 798                          NA            West Ham           LM
## 799                          NA     Athletic Bilbao
## 800                 Sub      14            Bayer 04          Sub
## 801                          NA        Trabzonspor
## 802                          NA     Athletic Bilbao           LW
## 803                          NA     Athletic Bilbao
## 804                          NA           Atalanta           GK
## 805                          NA            Everton
## 806                          NA        Akhisarspor           RB
## 807                          NA              Lazio
## 808                          NA        Rubin Kazan          CAM
## 809                          NA             Empoli          CAM
## 810                          NA      Spartak Moscow          LDM
## 811                          NA        Rubin Kazan          RCB
## 812                          NA         Stoke City
## 813                 Sub      12        Trabzonspor           GK
## 814                 Sub       7       Swansea City          Sub
## 815                          NA              Milan
## 816                          NA      Middlesbrough
## 817                          NA     Eint. Frankfurt
## 818                 CAM      10      Spartak Moscow          CAM
## 819                  CM       7         Stoke City          CAM
## 820                          NA         Angers SCO          LCB
## 821                          NA         Granada CF           RM
```

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## 822                          NA      1899 Hoffenheim          RS
## 823                          NA         RCD Espanyol          LM
## 824                          NA        FC Schalke 04          LM
## 825                          NA           Hertha BSC         RCB
## 826                          NA           1. FC Köln         LCB
## 827                          NA      Manchester City
## 828                          NA          FC Augsburg          ST
## 829                          NA              Watford          LS
## 830                 RCM       6             West Ham         RCM
## 831                  RM       7          Free Agents          RM
## 832                          NA             West Ham          ST
## 833                 LDM       9          Free Agents         LDM
## 834                 Sub      17            FC Basel         RCB
## 835                          NA       Spartak Moscow
## 836                          NA     Lokomotiv Moscow          GK
## 837                          NA         Swansea City
## 838                          NA          Club Brugge         RCM
## 839                          NA              Watford         RCM
## 840                          NA             OGC Nice         RCB
## 841                 LCB       2                Milan         LCB
## 842                          NA            Hull City
## 843                 Sub       8       Manchester Utd         Sub
## 844                 Sub      23               Tigres          GK
## 845                          NA           Granada CF          ST
## 846                          NA             SC Braga
## 847                          NA          Trabzonspor
## 848                          NA             SD Eibar          RM
## 849                 RCM      10        Werder Bremen         RCM
## 850                          NA                Milan
## 851                          NA              Chelsea         RWB
## 852                          NA        Real Sociedad         LCM
## 853                 Sub      23          Southampton          GK
## 854                 LCM      19                 Ajax         CDM
## 855                 CAM      10       Crystal Palace         CAM
## 856                          NA          Valencia CF
## 857                          NA              Burnley          LM
## 858                          NA        Uni. Católica         CAM
## 859                          NA                   AZ          GK
## 860                          NA         Swansea City         CDM
## 861                          NA            Feyenoord
## 862                          NA            FC Bayern
## 863                          NA       Spartak Moscow         LCB
## 864                          NA                Milan          RB
## 865                          NA            Kalmar FF         RCM
## 866                          NA      Rosario Central          LS
## 867                  RM      16        VfL Wolfsburg          RB
## 868                          NA             Beşiktaş          LB
## 869                 Sub      13              Burnley          GK
## 870                          NA     Shakhtar Donetsk         RCB
## 871                          NA            Feyenoord         RCM
## 872                          NA                Zenit         CDM
## 873                          NA      Eint. Frankfurt         RCB
## 874                          NA                Milan
## 875                          NA            Sampdoria          LS
```

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## 876                          NA        RCD Espanyol        CAM
## 877                 Sub      22         Free Agents        Sub
## 878                          NA       VfB Stuttgart        RCM
## 879                 Sub      23     Montreal Impact        LCB
## 880                 Sub       4                Roma        Sub
## 881                          NA               Inter
## 882                          NA          Hertha BSC        LDM
## 883                          NA      Manchester Utd
## 884                          NA            West Ham        RDM
## 885                          NA             Everton
## 886                 Sub       2      Olym. Lyonnais         RB
## 887                          NA         Rubin Kazan         GK
## 888                          NA       Villarreal CF         RS
## 889                          NA     Bor. M'gladbach         LB
## 890                  RB       7            Beşiktaş         RB
## 891                          NA                Milan
## 892                          NA            Liverpool
## 893                          NA     Manchester City         GK
## 894                          NA   Aytemiz Alanyaspor         ST
## 895                          NA      Leicester City        LCB
## 896                          NA             Watford         GK
## 897                          NA           Málaga CF        LCB
## 898                 LDM       8         Galatasaray        RDM
## 899                          NA     Eint. Frankfurt
## 900                          NA         CSKA Moscow        LCB
## 901                          NA        RCD Espanyol
## 902                          NA         Galatasaray
## 903                          NA         EA Guingamp
## 904                          NA          Real Betis
## 905                          NA       Werder Bremen         RS
## 906                          NA           FC Rostov         CB
## 907                          NA       Chievo Verona        LCB
## 908                 Sub      12           AS Monaco        Sub
## 909                          NA         Toulouse FC         GK
## 910                 Sub      16           FC Bayern        Sub
## 911                          NA         Ponte Preta         ST
## 912                          NA               Goiás        RDM
## 913                          NA       Internacional         RB
## 914                          NA            Coritiba         RS
## 915                          NA            Botafogo        CAM
## 916                          NA         Chapecoense         RB
## 917                          NA            Botafogo         LB
## 918                          NA     Atl. Paranaense         LB
## 919                          NA     Atl. Paranaense         GK
## 920                          NA       UD Las Palmas        RCB
## 921                          NA            OGC Nice         LB
## 922                          NA            Sassuolo        LCM
## 923                          NA     Athletic Bilbao        RCB
## 924                  ST      9               Spurs         ST
## 925                          NA           Málaga CF        CAM
## 926                          NA      Deport. Alavés        RDM
## 927                 Sub      12       Independiente         GK
## 928                          NA     1899 Hoffenheim        RCM
## 929                          NA            OGC Nice        RCM
```

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## 930                          NA      Eint. Frankfurt          LCB
## 931                Sub        2           Fenerbahçe           RB
## 932                          NA           SL Benfica
## 933                          NA      Giron. Bordeaux           RW
## 934                 RB        2            Feyenoord           RB
## 935                          NA           Real Betis          LCM
## 936                          NA              Pachuca           LW
## 937                          NA             OGC Nice           GK
## 938                          NA          Osmanlıspor
## 939                Sub       18        FC Schalke 04           RM
## 940                Sub       22                 Ajax          RCB
## 941                RCM       15           Fiorentina          RCM
## 942                          NA                Spurs
## 943                          NA            Málaga CF           ST
## 944                Sub       14                Lazio          LCB
## 945                          NA                Lazio
## 946                          NA                Lazio
## 947                          NA       RSC Anderlecht          LCM
## 948                          NA        UD Las Palmas
## 949                          NA                Zenit           GK
## 950                Sub       14              Udinese           RB
## 951                          NA         Boca Juniors           RB
## 952                          NA         Boca Juniors          RCM
## 953                          NA         Boca Juniors           ST
## 954                          NA                Lanús          CDM
## 955                          NA           Sevilla FC          RDM
## 956                 LB        3          Trabzonspor           LB
## 957                          NA        Atl. Nacional           GK
## 958                Sub       16       Deport. Alavés          Sub
## 959                          NA            FC Nantes
## 960                          NA            FC Rostov           RS
## 961                          NA          Sporting CP           LS
## 962                Sub       22      Giron. Bordeaux           ST
## 963                RDM       17              Arsenal          RDM
## 964                          NA             Juventus
## 965                          NA             Beşiktaş          CAM
## 966                          NA            Sampdoria          CAM
## 967                Sub        8                Inter          LDM
## 968                          NA      1899 Hoffenheim          LCM
## 969                          NA        Independiente           LB
## 970                          NA      1. FSV Mainz 05           LM
## 971                          NA         RC Deportivo           RM
## 972                          NA             FC Basel          RDM
## 973                          NA      Indep. Medellín          RAM
## 974                          NA           Celta Vigo           LB
## 975                          NA             FC Porto
## 976                          NA           CD Leganés           LM
## 977                          NA      1. FSV Mainz 05           RS
## 978                          NA           Celta Vigo
## 979                          NA       Deport. Alavés           GK
## 980                Sub       29        SC Heerenveen           LW
## 981                          NA        FC Schalke 04
## 982                LDM       22           SL Benfica          LDM
## 983                          NA           CD Leganés          CAM
```

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## 984                          NA        RCD Espanyol          ST
## 985                          NA       Bor. Dortmund          RM
## 986                          NA     Bor. M'gladbach         RDM
## 987                          NA         EA Guingamp          LB
## 988                          NA                Roma
## 989                          NA          CA Osasuna         CAM
## 990                          NA          Hertha BSC
## 991                          NA          1. FC Köln
## 992                          NA       Werder Bremen          LM
## 993                          NA                 PSV          LB
## 994                          NA              Napoli
## 995                          NA      Deport. Alavés         LCB
## 996                          NA          FC Utrecht          LS
## 997                          NA       Chievo Verona         RCM
## 998                          NA           Málaga CF         RCB
## 999                          NA             Rio Ave         RCB
## 1000                 LB      15           AS Monaco          LB
## 1001                         NA          RB Leipzig         RCB
## 1002                         NA          Real Betis         RCM
## 1003                         NA               Zenit         LCB
## 1004                         NA        FC København
## 1005                 GK       1            FC Basel          GK
## 1006                         NA      Spartak Moscow          ST
## 1007                         NA     1899 Hoffenheim         RWB
## 1008                 Sub     16           Feyenoord         LCM
## 1009                         NA           Feyenoord          LB
## 1010                         NA          1. FC Köln
## 1011                         NA       Villarreal CF
## 1012                         NA            Juventus
## 1013                         NA        FC Krasnodar         LCB
## 1014                         NA           Málaga CF
## 1015                         NA            OGC Nice          RW
## 1016                         NA      Leicester City
## 1017                         NA    AS Saint-Étienne         RDM
## 1018                         NA        RCD Espanyol         RCB
## 1019                 GK      12          Fiorentina          GK
## 1020                 RM      19             Bologna          LW
## 1021                         NA          Real Betis         RCB
## 1022                         NA    Shakhtar Donetsk          LB
## 1023                         NA          LOSC Lille
## 1024                 Sub     22            SC Braga          GK
## 1025                         NA           FC Rostov
## 1026                         NA     1899 Hoffenheim
## 1027                         NA         San Lorenzo          ST
## 1028                         NA          Levante UD         LDM
## 1029                         NA                 PSV
## 1030                         NA            SC Braga
## 1031                 Sub     13             Everton         Sub
## 1032                         NA           Sampdoria         LCM
## 1033                         NA          Celta Vigo         LCB
## 1034                         NA             Watford
## 1035                         NA      Sporting Gijón         RCM
## 1036                 Sub      8              Torino         Sub
## 1037                 Sub      9           Sampdoria          RS
```

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## 1038                Sub          10            Beşiktaş          Sub
## 1039                             NA      Leicester City
## 1040                             NA               Lazio
## 1041                             NA    AS Saint-Étienne           LB
## 1042                             NA     1. FSV Mainz 05          RCB
## 1043                             NA         Valencia CF
## 1044                             NA       FC Schalke 04         LDM
## 1045                             NA        Swansea City
## 1046                Sub          18           Feyenoord          CAM
## 1047                             NA          Sunderland
## 1048                             NA             Al Ahli          CAM
## 1049                             NA           Liverpool
## 1050                             NA        RCD Espanyol           RB
## 1051                             NA      Crystal Palace           RM
## 1052                             NA         Valencia CF           RB
## 1053                             NA      Leicester City           RS
## 1054                             NA          Fenerbahçe          CAM
## 1055                             NA            SC Braga
## 1056                             NA    Lokomotiv Moscow          LCB
## 1057                             NA          Real Betis           CB
## 1058                             NA             Bologna           ST
## 1059                             NA             Vitesse          RCB
## 1060                             NA         Sporting CP           RB
## 1061                             NA          LOSC Lille          RCB
## 1062                Sub           1             Watford          Sub
## 1063                             NA          Hertha BSC           LB
## 1064                             NA     Athletic Bilbao
## 1065                             NA               Milan
## 1066                Sub           5        RCD Espanyol          LCB
## 1067                             NA          LOSC Lille           RB
## 1068                LCM           8            Juventus          LCM
## 1069                             NA            Beşiktaş
## 1070                             NA          Sunderland
## 1071                             NA            Portland           RM
## 1072                             NA          CD Leganés          RDM
## 1073                             NA                 PSV           ST
## 1074                Sub           9          LOSC Lille           ST
## 1075                             NA             Watford          LCM
## 1076                             NA        RCD Espanyol
## 1077                             NA     1899 Hoffenheim          LCB
## 1078                             NA          Fenerbahçe          LDM
## 1079                             NA     Eint. Frankfurt          LWB
## 1080                             NA          1. FC Köln
## 1081                             NA       Newcastle Utd          RDM
## 1082                             NA           FC Dallas
## 1083                             NA         Racing Club           RS
## 1084                             NA              Torino          CDM
## 1085                LAM          18            Bayer 04          LAM
## 1086                             NA            Udinese
## 1087                             NA              Lanús           LW
## 1088                             NA             Watford          RWB
## 1089                             NA        Hamburger SV          CAM
## 1090                             NA        RC Deportivo           RB
## 1091                             NA    Lokomotiv Moscow
```

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## 1092                          NA        FC Krasnodar
## 1093                RB         4            Cagliari          RB
## 1094                          NA       Atl. Nacional          ST
## 1095                          NA            Atalanta
## 1096                          NA       VfL Wolfsburg
## 1097                          NA            West Ham         LDM
## 1098               RCB        20          Stoke City         RCB
## 1099                          NA       Chievo Verona         CDM
## 1100                          NA           FC Bayern
## 1101                          NA        Swansea City         RCM
## 1102                          NA               Spurs
## 1103                          NA              Torino         RCB
## 1104                RM        14          FC Lorient          ST
## 1105                          NA        Hamburger SV         RCB
## 1106               Sub         4          Celta Vigo         Sub
## 1107                          NA        Hamburger SV          RM
## 1108                          NA          CD Leganés
## 1109                          NA       Real Sociedad          LB
## 1110                          NA         Galatasaray         RCB
## 1111                          NA    AS Saint-Étienne         CAM
## 1112               Sub        17          Hertha BSC         Sub
## 1113               Sub        15         Bournemouth         Sub
## 1114                          NA           Málaga CF          RB
## 1115               RDM         6          Fiorentina         RCB
## 1116                          NA             Watford         LWB
## 1117                          NA         Sporting CP
## 1118                          NA       Villarreal CF
## 1119                          NA      Olym. Lyonnais
## 1120                          NA     Eint. Frankfurt
## 1121                          NA            Beşiktaş         RCB
## 1122                          NA        FC Krasnodar         CDM
## 1123                          NA        RC Deportivo
## 1124                          NA             Watford
## 1125                LM        11           Hull City          LM
## 1126                CB        15             Watford          CB
## 1127                          NA       Chievo Verona
## 1128                          NA            Sassuolo          ST
## 1129                          NA      Legia Warszawa         CAM
## 1130                LS         8        RCD Espanyol          LS
## 1131                          NA            SD Eibar
## 1132               Sub        12         Estudiantes          GK
## 1133                          NA        Swansea City
## 1134                          NA         Toulouse FC         CAM
## 1135                          NA               Inter
## 1136                          NA       UD Las Palmas          GK
## 1137                LM         8       Chievo Verona         LCM
## 1138                          NA           Feyenoord          LW
## 1139                          NA         River Plate         RCB
## 1140               Sub        27            Beşiktaş         Sub
## 1141                          NA         Real Madrid
## 1142                          NA         Southampton
## 1143                          NA          Sunderland
## 1144                          NA          Sunderland         LDM
## 1145                ST         9         Southampton          ST
```

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## 1146                          NA          FC Nantes          GK
## 1147                          NA                 AZ         RCB
## 1148                          NA   Lokomotiv Moscow
## 1149                          NA           SD Eibar
## 1150                          NA             Tigres
## 1151                          NA       Boca Juniors         CDM
## 1152                 GK       16      Kaizer Chiefs          GK
## 1153                          NA    1899 Hoffenheim
## 1154                          NA            Udinese          LW
## 1155                          NA          Málaga CF
## 1156                          NA         Celta Vigo          GK
## 1157                          NA          Hull City
## 1158                          NA            Watford         RCB
## 1159                          NA          AS Monaco
## 1160                RDM        6         Stoke City         RDM
## 1161                          NA          FC Nantes         RDM
## 1162                RCB        3       Hamburger SV         RCB
## 1163                          NA               León          ST
## 1164                RDM       11            Watford          CM
## 1165                          NA      Real Sociedad
## 1166                          NA    Giron. Bordeaux          LW
## 1167                          NA           Beşiktaş
## 1168                          NA        Rubin Kazan         RDM
## 1169                Sub       12             Toluca          GK
## 1170                Sub        1          Colo-Colo          GK
## 1171                 RM        6           West Ham          RM
## 1172                Sub       18              Zenit         Sub
## 1173                          NA            Watford          RS
## 1174                RCM        8        Southampton         LCM
## 1175                          NA           Sassuolo
## 1176                          NA        FC Augsburg          RB
## 1177                          NA        Osmanlıspor          GK
## 1178                          NA        CSKA Moscow
## 1179                          NA           SD Eibar         RCB
## 1180                          NA      UD Las Palmas
## 1181                          NA         Fenerbahçe          GK
## 1182                          NA           FC Basel         CAM
## 1183                          NA        Racing Club          GK
## 1184                          NA       Swansea City
## 1185                          NA     Leicester City          LB
## 1186                          NA              Genoa          CB
## 1187                          NA     Olympiakos CFP         LCM
## 1188                          NA         Stoke City          RB
## 1189                          NA           Bayer 04
## 1190                          NA     Leicester City         RCB
## 1191                          NA        EA Guingamp          ST
## 1192                          NA          Hull City
## 1193                          NA    Athletic Bilbao
## 1194                          NA          Colo-Colo         LCM
## 1195                          NA          LA Galaxy         RCB
## 1196                          NA  Medipol Başakşehir          ST
## 1197                          NA      FC St. Gallen          LF
## 1198                          NA        KV Oostende
## 1199                          NA      Villarreal CF
```

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## 1200                          NA            SM Caen          GK
## 1201                          NA          AS Monaco
## 1202              Sub         19         SL Benfica          LB
## 1203                          NA      Bor. Dortmund
## 1204                          NA  Medipol Başakşehir         LDM
## 1205                          NA             Napoli
## 1206                          NA        Toulouse FC         RCB
## 1207                          NA             Napoli          CM
## 1208                          NA    Atl. Paranaense         RAM
## 1209                          NA           Criciúma         RDM
## 1210                          NA              Sport         RCB
## 1211                          NA             Santos          LB
## 1212                          NA      Internacional          GK
## 1213                          NA             Grêmio          GK
## 1214                          NA        Figueirense          GK
## 1215                          NA          Palmeiras         RDM
## 1216                          NA        A. Minas G.         RDM
## 1217                          NA        Ponte Preta         RCB
## 1218                          NA             Grêmio         RCB
## 1219                          NA           Botafogo         LCB
## 1220                          NA           Bayer 04
## 1221                          NA           Juventus
## 1222                          NA        Sporting CP
## 1223                          NA                PSV          LW
## 1224                          NA       V. Guimarães          RW
## 1225                          NA        Sporting CP
## 1226                          NA               Ajax          GK
## 1227                          NA      Real Sociedad
## 1228                          NA    Manchester City
## 1229                          NA   Shakhtar Donetsk
## 1230                          NA           FC Porto
## 1231                          NA                PSG
## 1232                          NA     Standard Liège
## 1233                          NA         Fenerbahçe
## 1234                          NA       SV Darmstadt         LCB
## 1235              Sub          4        Galatasaray         Sub
## 1236              CAM          7      FC Schalke 04         CAM
## 1237                          NA           SC Braga
## 1238                          NA            Pachuca         LCM
## 1239                          NA    Atlético Madrid
## 1240                          NA         SL Benfica          LM
## 1241              Sub         21     Deport. Alavés         Sub
## 1242               RS         13            Everton          RS
## 1243                          NA         Fiorentina
## 1244                          NA          FC Nantes         LCB
## 1245                          NA              Lanús          RB
## 1246                          NA     Deport. Alavés         CAM
## 1247                          NA           West Ham
## 1248                          NA              Milan
## 1249                          NA         Hertha BSC          RM
## 1250              Sub          7           Nacional          RB
## 1251                          NA      VfB Stuttgart          RM
## 1252                          NA        SC Freiburg          RM
## 1253                          NA          Málaga CF
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## 1254                          NA            Sassuolo          LW
## 1255                          NA                Ajax
## 1256                          NA            SD Eibar          RB
## 1257                          NA               Genoa         RCB
## 1258                          NA               Lanús
## 1259                          NA     Giron. Bordeaux          RB
## 1260                          NA      Deport. Alavés          ST
## 1261                          NA            U.N.A.M.         RCB
## 1262                          NA       Independiente          RM
## 1263                          NA              Necaxa          LW
## 1264                          NA    Monarcas Morelia
## 1265                          NA             América          RS
## 1266                          NA       Santos Laguna         RCB
## 1267                          NA        Boca Juniors
## 1268                          NA                León
## 1269                          NA        Boca Juniors          LB
## 1270                          NA            FC Basel         LCB
## 1271                          NA            SC Braga          LM
## 1272                Sub        6               Genoa          LM
## 1273                          NA         Valencia CF
## 1274                          NA     1. FSV Mainz 05          RM
## 1275                          NA          Hertha BSC         RDM
## 1276                Sub       22            U.N.A.M.          ST
## 1277                          NA               Inter
## 1278                          NA        RCD Espanyol
## 1279                          NA          LOSC Lille          RM
## 1280                          NA         Valencia CF
## 1281                          NA      RSC Anderlecht         RCM
## 1282                          NA         Valencia CF
## 1283                          NA            FC Porto
## 1284                          NA       VfL Wolfsburg          LB
## 1285                          NA            Boavista          RW
## 1286                          NA         FC Augsburg         RDM
## 1287                          NA           Hull City          RM
## 1288                          NA         SC Freiburg          LM
## 1289                 ST        9    AS Saint-Étienne          ST
## 1290                          NA       Ind. Santa Fe         CAM
## 1291                          NA               Milan
## 1292                          NA          Sunderland
## 1293                          NA       Newcastle Utd
## 1294                          NA            SC Braga         RCB
## 1295                          NA         Club Brugge         RCB
## 1296                          NA            SD Eibar
## 1297                          NA                Roma          LM
## 1298                          NA     Eint. Frankfurt
## 1299                          NA     Bor. M'gladbach
## 1300                Sub        9            SC Braga         Sub
## 1301                LCB       22     1899 Hoffenheim         LCB
## 1302                          NA     Atlético Madrid
## 1303                          NA            U.N.A.M.
## 1304                          NA        RC Deportivo
## 1305                          NA     Eint. Frankfurt         RCM
## 1306                          NA         Toulouse FC         LCB
## 1307                          NA           CD Leganés         RCB
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## 1308                          NA            Sassuolo          RCM
## 1309                          NA       Middlesbrough          LCM
## 1310                          NA          Sunderland           RM
## 1311                          NA              Wolves          CDM
## 1312                          NA             Watford
## 1313                          NA           SC Braga
## 1314                          NA                Ajax           RW
## 1315                          NA                PAOK           LM
## 1316                          NA         Levante UD           ST
## 1317                          NA         LOSC Lille          CAM
## 1318                          NA        Trabzonspor           RB
## 1319                          NA      Olym. Lyonnais
## 1320                LM         2               Milan           LB
## 1321                          NA                Ajax           LW
## 1322                          NA     1. FSV Mainz 05
## 1323                          NA        Club Brugge          LCB
## 1324                          NA               Milan
## 1325                          NA        Southampton          RCM
## 1326                          NA          Liverpool
## 1327               Sub       25        Trabzonspor          RDM
## 1328                          NA       RC Deportivo           LM
## 1329                          NA         Sunderland           GK
## 1330                RF         9         RB Leipzig           RS
## 1331                          NA          FC Nantes           LS
## 1332                          NA       FC Krasnodar          RCM
## 1333                          NA          Sampdoria
## 1334                          NA        EA Guingamp          RCB
## 1335                          NA     Bor. M'gladbach
## 1336                          NA         Stoke City
## 1337                RB         4                PSV           RB
## 1338                          NA     Birmingham City
## 1339                          NA           Dijon FCO           GK
## 1340                          NA             Chelsea
## 1341                          NA       Boca Juniors          RCB
## 1342                          NA           Brighton           RM
## 1343               Sub        16         Real Betis           LM
## 1344                RM        18           FC Basel           LM
## 1345                          NA       VfL Wolfsburg
## 1346                          NA        Trabzonspor           LM
## 1347                          NA       FC Barcelona
## 1348                          NA         Levante UD          CAM
## 1349                          NA         CD Leganés
## 1350               Sub        21     Eint. Frankfurt          RWB
## 1351                          NA        FC Augsburg          RCB
## 1352                          NA         Real Betis          RWB
## 1353               LCB         4        FC Augsburg          LCB
## 1354                LB        10             Burnley           LB
## 1355                          NA     1899 Hoffenheim
## 1356                          NA       Chicago Fire          CAM
## 1357                          NA              Inter          RDM
## 1358                          NA         CD Leganés
## 1359                          NA        Galatasaray           LB
## 1360                          NA            Everton
## 1361                          NA     1899 Hoffenheim
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## 1362                          NA          Feyenoord          RW
## 1363                          NA   Shakhtar Donetsk
## 1364                          NA        Club Brugge         CAM
## 1365                          NA           West Ham
## 1366                          NA         CD Leganés         LDM
## 1367                          NA        Galatasaray          RM
## 1368                          NA           SD Eibar
## 1369                          NA         LOSC Lille          LM
## 1370                 Sub      23          Bursaspor          GK
## 1371                          NA     Deport. Alavés          LM
## 1372                          NA    Giron. Bordeaux         LCB
## 1373                          NA             Norwich        LCB
## 1374                          NA         CA Osasuna          RM
## 1375                          NA        CSKA Moscow
## 1376                          NA      Real Sociedad        RCB
## 1377                 RCB       3            Pachuca        LCB
## 1378                          NA    Bor. M'gladbach
## 1379                          NA        Club Brugge
## 1380                          NA         Angers SCO
## 1381                          NA      VfL Wolfsburg
## 1382                 Sub       7          Monterrey        LCM
## 1383                          NA         Real Betis
## 1384                          NA       Swansea City
## 1385                          NA      Werder Bremen          GK
## 1386                          NA         Fiorentina
## 1387                          NA        Osmanlıspor          LM
## 1388                          NA        Bournemouth
## 1389                          NA            Bologna
## 1390                          NA          Bursaspor          RM
## 1391                 Sub      20      Atl. Nacional          CM
## 1392                  ST       9          Colo-Colo          LS
## 1393                          NA            Everton          GK
## 1394                          NA        FC Augsburg
## 1395                          NA              Fulham       RCM
## 1396                  RF      13       Huddersfield        LDM
## 1397                          NA          Konyaspor        LCB
## 1398                          NA     Deport. Alavés        RCB
## 1399                          NA         Fiorentina
## 1400                 Sub      13       Leeds United        LCB
## 1401                          NA             Burnley         RS
## 1402                          NA         SL Benfica
## 1403                          NA      FC Ingolstadt
## 1404                          NA          Frosinone          GK
## 1405                  ST      19      FC Schalke 04          ST
## 1406                          NA           West Ham
## 1407                          NA     Crystal Palace
## 1408                          NA        Hannover 96        RDM
## 1409                          NA         CD Leganés          GK
## 1410                          NA         1. FC Köln          RM
## 1411                          NA         Stoke City
## 1412                          NA           OGC Nice
## 1413                          NA      VfL Wolfsburg
## 1414                          NA        Rubin Kazan
## 1415                          NA       Swansea City
```

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## 1416                          NA              Tigres
## 1417                          NA          CSKA Moscow          LB
## 1418                          NA               Zenit          RW
## 1419                          NA           Colo-Colo
## 1420                          NA          Hertha BSC          RB
## 1421                          NA         Antalyaspor
## 1422                          NA       FC Ingolstadt          RM
## 1423                          NA   Anzhi Makhachkala         RCB
## 1424                          NA       Stade Rennais         LDM
## 1425                          NA          1. FC Köln         RCB
## 1426                          NA     Çaykur Rizespor          ST
## 1427                          NA         San Lorenzo         LCB
## 1428                          NA           Hull City
## 1429                          NA     Bor. M'gladbach          RB
## 1430                          NA     Olym. Marseille
## 1431                          NA             Watford
## 1432                 Sub      12              Empoli          GK
## 1433                          NA            West Ham          LB
## 1434                          NA               Inter
## 1435                          NA     1. FSV Mainz 05         LDM
## 1436                          NA         Southampton
## 1437                          NA      Melbourne City          ST
## 1438                  RM      21         Toulouse FC          RM
## 1439                  LM      20          Fenerbahçe          LM
## 1440                  ST      17         Aston Villa          ST
## 1441                          NA             Watford         LCB
## 1442                          NA       UD Las Palmas
## 1443                 RAM      20            FC Basel         RAM
## 1444                          NA      RSC Anderlecht         CAM
## 1445                          NA       Chievo Verona          LS
## 1446                          NA     Orlando Pirates         RCM
## 1447                          NA             FC Metz          ST
## 1448                          NA          Fenerbahçe
## 1449                          NA       Panathinaikos          LM
## 1450                          NA    Lokomotiv Moscow
## 1451                          NA                 PSV         LCM
## 1452                          NA       FC Schalke 04
## 1453                 Sub      22       Newcastle Utd          RM
## 1454                          NA          Sunderland          LM
## 1455                          NA        RC Deportivo
## 1456                          NA         Antalyaspor         LCB
## 1457                          NA               Milan
## 1458                 LCB       2      Legia Warszawa         LCB
## 1459                          NA               Zenit         LCM
## 1460                          NA         River Plate
## 1461                 Sub       6            FC Basel          RB
## 1462                          NA               Inter
## 1463                          NA           FC Nantes
## 1464                 Sub       2          Sunderland         RCB
## 1465                          NA          Fenerbahçe
## 1466                          NA               NYCFC         LCM
## 1467                  RB       2          Sevilla FC          RB
## 1468                          NA       Kaizer Chiefs          RM
## 1469                          NA            Atalanta
```

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## 1470                          NA            Marítimo          GK
## 1471                          NA       VfB Stuttgart          ST
## 1472                          NA         SC Freiburg
## 1473                Sub       13       Stade Rennais          LS
## 1474                Sub        8     1. FSV Mainz 05         RDM
## 1475                          NA       Werder Bremen          RM
## 1476                          NA      Leicester City          LM
## 1477                LCB        3       Newcastle Utd         LCB
## 1478                          NA        Hamburger SV
## 1479                          NA          Fiorentina
## 1480                          NA         FC Augsburg          LM
## 1481                 RS        9         Free Agents          RS
## 1482                RCM        8        Hamburger SV         LDM
## 1483                          NA            Beşiktaş
## 1484                          NA        RC Deportivo          LB
## 1485                          NA            FC Seoul          LS
## 1486                Sub       15         Galatasaray         Sub
## 1487                          NA          Hertha BSC
## 1488                          NA             SM Caen         RCB
## 1489                          NA       VfB Stuttgart          LB
## 1490                          NA        Leeds United         CAM
## 1491                          NA      BSC Young Boys
## 1492                          NA      Olympiakos CFP
## 1493                          NA            SD Eibar         CAM
## 1494                          NA          Stoke City          LB
## 1495                          NA        RCD Espanyol
## 1496                          NA         Rubin Kazan
## 1497                          NA       Real Sociedad
## 1498                          NA         EA Guingamp         LCM
## 1499                          NA        SV Darmstadt          RM
## 1500                Sub       11         Hannover 96          ST
## 1501                          NA           AS Monaco
## 1502                          NA       Stade Rennais          LB
## 1503                Sub       13               FC Ufa         Sub
## 1504                          NA          Hertha BSC
## 1505                          NA        1860 München          LW
## 1506                          NA            Beşiktaş
## 1507                          NA            Sassuolo
## 1508                          NA     Suwon Bluewings          LM
## 1509                 ST       17           Toronto FC          RS
## 1510                          NA         Club Brugge          ST
## 1511                RCM       16        NY Red Bulls         RAM
## 1512                          NA             Udinese
## 1513                 CM       16         Free Agents          CM
## 1514                          NA           Málaga CF          LM
## 1515                          NA       Villarreal CF
## 1516                          NA        RC Deportivo
## 1517                          NA      Crystal Palace         RCB
## 1518                          NA         Valencia CF
## 1519                          NA           Sampdoria
## 1520                Sub        1       Sheffield Wed          GK
## 1521                Sub       16     1. FSV Mainz 05          GK
## 1522                          NA       Real Sociedad
## 1523                          NA             América         LCB
```

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## 1524                          NA        UD Las Palmas
## 1525                          NA       Spartak Moscow            RB
## 1526                          NA               Torino
## 1527                 LM       11       Olympiakos CFP            RW
## 1528                          NA               Celtic            LW
## 1529                          NA             Atalanta           LCB
## 1530                          NA             KAA Gent            RF
## 1531                          NA          Trabzonspor            ST
## 1532                Sub        6         FC Krasnodar           Sub
## 1533                          NA          FC Orenburg
## 1534                          NA     Lokomotiv Moscow            LM
## 1535                          NA            Feyenoord            GK
## 1536                          NA   Medipol Başakşehir            LM
## 1537                          NA        Chievo Verona
## 1538                          NA          Club Brugge            RW
## 1539                          NA          Grasshopper           CAM
## 1540                          NA              Chelsea
## 1541                          NA              SM Caen           LCM
## 1542                          NA      Montpellier HSC           RDM
## 1543                          NA        Santos Laguna            GK
## 1544                          NA      Olym. Marseille           LCB
## 1545                LDM       26            West Brom           CAM
## 1546                          NA        FC Ingolstadt           RCB
## 1547                Sub       20          San Lorenzo           LCM
## 1548                          NA        Newcastle Utd
## 1549                          NA             U.N.A.M.           RCM
## 1550                          NA       Rayo Vallecano           RDM
## 1551                          NA            Colo-Colo            CB
## 1552                          NA      1899 Hoffenheim
## 1553                 LW       19              América            LS
## 1554                Sub       16        Stade Rennais           RDM
## 1555                          NA         Hamburger SV
## 1556                          NA             OGC Nice           CDM
## 1557                          NA       BSC Young Boys            LS
## 1558                Sub       27            Cruz Azul            GK
## 1559                          NA           Stoke City           LDM
## 1560                Sub       12               FC Ufa           Sub
## 1561                          NA         Swansea City
## 1562                          NA            SC Bastia            GK
## 1563                          NA               Toluca           LCM
## 1564                          NA       Crystal Palace           RCM
## 1565                          NA        Werder Bremen
## 1566                CAM       14              Norwich            LM
## 1567                          NA         Arsenal Tula            GK
## 1568                          NA          Perth Glory            LM
## 1569                          NA           Real Betis
## 1570                          NA        Villarreal CF            GK
## 1571                Sub       18   Medipol Başakşehir           RCB
## 1572                RCB        5        Chievo Verona           RCB
## 1573                          NA          River Plate           LDM
## 1574                          NA       Olympiakos CFP
## 1575                Sub        7            West Brom           RDM
## 1576                Sub       21             FC Basel           Sub
## 1577                          NA                Milan
```

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## 1578                          NA            Bologna        RCB
## 1579                          NA      Hellas Verona         ST
## 1580                          NA               Bari         RW
## 1581                          NA      SC Heerenveen        CDM
## 1582                          NA     Deport. Alavés
## 1583                          NA         Fenerbahçe         LB
## 1584                          NA           Beşiktaş
## 1585                          NA           Cagliari         LS
## 1586                          NA             Celtic
## 1587                          NA          Gimnàstic         RS
## 1588                CB         4          West Brom        RCB
## 1589                          NA        Bournemouth         GK
## 1590                          NA           Sassuolo        CDM
## 1591                          NA       Swansea City         RM
## 1592                          NA         1. FC Köln        LDM
## 1593                          NA         Sunderland
## 1594                          NA        Club Brugge         GK
## 1595                          NA              Torino
## 1596                          NA     Djurgårdens IF        RCB
## 1597               Sub       19           West Ham        Sub
## 1598               Sub       22     Real Salt Lake         GK
## 1599                          NA      Chievo Verona        RCB
## 1600                          NA             Everton
## 1601                          NA           Sassuolo        LCB
## 1602                          NA        Valencia CF
## 1603                          NA       V. Guimarães         LW
## 1604               LCB        3          Málaga CF        LCB
## 1605                          NA          Málaga CF
## 1606                          NA           Marítimo        RCB
## 1607               Sub       18          Málaga CF        Sub
## 1608               LAM       19           Atalanta        LCM
## 1609                          NA          Palmeiras        LCB
## 1610                          NA            Vitória         RS
## 1611                          NA         Santa Cruz         ST
## 1612                          NA           Criciúma        RAM
## 1613                          NA             Santos        CAM
## 1614                          NA         Santa Cruz        CAM
## 1615                          NA          Joinville        RDM
## 1616                          NA              Goiás        RCB
## 1617                          NA            Vitória        RCB
## 1618                          NA          São Paulo         RB
## 1619                          NA             Grêmio         LB
## 1620                          NA        Ponte Preta         GK
## 1621                          NA           Cruzeiro        CAM
## 1622                          NA        Chapecoense        LAM
## 1623                          NA             Grêmio        RDM
## 1624                          NA         Fluminense        RDM
## 1625                          NA          Palmeiras        RCB
## 1626                          NA      Internacional        LCB
## 1627                          NA             Grêmio        LCB
## 1628                          NA    Atl. Paranaense         RB
## 1629                          NA           Coritiba         LB
## 1630                          NA        A. Minas G.         GK
## 1631                          NA                PSV         RW
```

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## 1632                          NA          Osmanlıspor          RM
## 1633                          NA      1. FSV Mainz 05          LS
## 1634                          NA     Shakhtar Donetsk         CAM
## 1635                Sub       13                 Ajax          ST
## 1636                          NA            Bayer 04          RB
## 1637                 RW       10        Bor. Dortmund          RW
## 1638                          NA       Olym. Lyonnais
## 1639                 LM       14             Udinese         LCM
## 1640                          NA          SL Benfica
## 1641                          NA                 PSG
## 1642                          NA               Zenit
## 1643                          NA          CA Osasuna
## 1644                          NA        Bor. Dortmund
## 1645                Sub       21          Guadalajara         RDM
## 1646                          NA            FC Porto
## 1647                          NA         Boca Juniors          RW
## 1648                          NA           Sampdoria          CM
## 1649                          NA            Marítimo         CDM
## 1650                          NA        Stade Rennais
## 1651                          NA               Milan         LCM
## 1652                          NA           Konyaspor          RM
## 1653                          NA  Sanfrecce Hiroshima         RCM
## 1654                          NA         Toulouse FC         RDM
## 1655                          NA      Giron. Bordeaux
## 1656                          NA             Bologna
## 1657                          NA            Marítimo         LCB
## 1658                          NA        Ulsan Hyundai
## 1659                          NA          River Plate          RS
## 1660                          NA            KAA Gent          GK
## 1661                          NA        Villarreal CF
## 1662                          NA            Al Hilal          ST
## 1663                          NA          Valencia CF
## 1664                          NA           Sevilla FC         LCB
## 1665                          NA           CD Leganés          LB
## 1666                          NA           Real Betis
## 1667                          NA          Valencia CF          RW
## 1668                          NA        UD Las Palmas          RM
## 1669                          NA       Stade de Reims          RM
## 1670                          NA       Deport. Alavés          RM
## 1671                          NA          Aston Villa
## 1672                          NA            SC Braga         RDM
## 1673                          NA          San Lorenzo          RM
## 1674                          NA            SC Braga
## 1675                          NA            SC Braga          RM
## 1676                          NA          San Lorenzo         CDM
## 1677                Sub       23             Bologna         Sub
## 1678                Sub       28         FC Krasnodar         LCM
## 1679                          NA             Udinese         RCM
## 1680                 LB        3           Hull City          LB
## 1681                          NA            Bayer 04
## 1682                          NA       Olym. Lyonnais
## 1683                          NA        Newcastle Utd
## 1684                          NA            KRC Genk
## 1685                          NA          Kayserispor         CAM
```

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## 1686                          NA          Granada CF          RCB
## 1687                          NA         Estudiantes          RCB
## 1688                          NA           Cruz Azul           ST
## 1689                          NA              Tigres
## 1690                          NA         River Plate
## 1691                          NA         River Plate           LB
## 1692                          NA             América          RCB
## 1693                Sub       17              Tigres           LM
## 1694                          NA       Ind. Santa Fe           CB
## 1695                          NA           Monterrey
## 1696                          NA          Levante UD
## 1697                Sub       23         Southampton          Sub
## 1698                          NA    Shakhtar Donetsk           ST
## 1699                          NA            FC Porto
## 1700                          NA        V. Guimarães
## 1701                          NA                PSV
## 1702                          NA              Milan
## 1703                          NA            West Ham
## 1704                          NA             Tijuana           RM
## 1705                          NA       VfL Wolfsburg          RDM
## 1706                Sub        3           Cruz Azul          RCB
## 1707                Sub       12      Deportivo Cali           GK
## 1708                          NA           Sampdoria
## 1709                          NA               Genoa          RCM
## 1710                          NA          LOSC Lille
## 1711                          NA          Celta Vigo
## 1712                          NA      Sporting Gijón
## 1713                          NA        Hamburger SV
## 1714                          NA            FC Basel           RM
## 1715                          NA                  AZ           LB
## 1716                          NA         Galatasaray
## 1717                          NA           Málaga CF          LDM
## 1718                          NA          CD Leganés
## 1719                          NA         Guadalajara          LDM
## 1720                 RS       10         Free Agents           RS
## 1721                          NA         Sporting KC           LW
## 1722                          NA             Chelsea
## 1723                          NA     Real Valladolid           GK
## 1724                          NA             Palermo
## 1725                          NA           Hull City
## 1726                 RM       20         Free Agents           RM
## 1727                          NA         CSKA Moscow
## 1728                          NA        RC Deportivo          RCB
## 1729                          NA        Swansea City
## 1730                          NA          CD Leganés          LCB
## 1731                 RW       11              Tigres          CAM
## 1732                          NA        Derby County
## 1733                          NA    Shakhtar Donetsk
## 1734                          NA    Shakhtar Donetsk
## 1735                          NA      Crystal Palace          CDM
## 1736                          NA       Kaizer Chiefs           CM
## 1737                          NA      BSC Young Boys           GK
## 1738                          NA       Middlesbrough          RCB
## 1739                Sub       12      Olympiakos CFP           GK
```

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## 1740                          NA        UD Las Palmas
## 1741                          NA        Newcastle Utd            ST
## 1742                          NA        Newcastle Utd
## 1743                          NA       Legia Warszawa
## 1744                          NA        Zulte-Waregem           LDM
## 1745                          NA              Reading
## 1746                          NA            Monterrey            RB
## 1747                          NA         1860 München            CB
## 1748                          NA       Spartak Moscow
## 1749                          NA           Sagan Tosu            RS
## 1750                          NA              Roda JC            GK
## 1751                          NA                  PSV
## 1752                          NA           FC Utrecht           LCM
## 1753                          NA                Genoa
## 1754                RS        11        Middlesbrough            RS
## 1755                          NA             KRC Genk           CAM
## 1756                          NA       RSC Anderlecht
## 1757                          NA       Paços Ferreira            ST
## 1758                          NA             SC Braga
## 1759                          NA          Trabzonspor           LDM
## 1760                          NA          River Plate
## 1761                          NA             Sassuolo
## 1762                          NA              Bologna
## 1763                          NA      Montpellier HSC            LB
## 1764                          NA            Brentford            RM
## 1765                          NA             SD Eibar
## 1766               Sub         7         Hamburger SV            ST
## 1767                          NA           RB Leipzig           LDM
## 1768               RDM         8             Atalanta           CAM
## 1769                          NA              Palermo           LCB
## 1770                LS         7            FC Rostov            LS
## 1771                          NA              Udinese
## 1772                          NA                  QPR
## 1773                          NA      1. FSV Mainz 05
## 1774                          NA       Olympiakos CFP
## 1775                          NA            Bursaspor            LM
## 1776                          NA          Galatasaray           LDM
## 1777                          NA                 Roma
## 1778                          NA           Celta Vigo
## 1779               Sub        16          Free Agents           Sub
## 1780                          NA             Brighton           LCB
## 1781                          NA        Werder Bremen
## 1782                          NA               Celtic           LCB
## 1783                          NA             KAA Gent           RCM
## 1784               Sub        13        Newcastle Utd           Sub
## 1785                          NA              Burnley            RB
## 1786                          NA          Southampton           CDM
## 1787                          NA        Chievo Verona            RS
## 1788                          NA             SD Eibar            LB
## 1789                          NA       Sporting Gijón            ST
## 1790                          NA                Inter            RB
## 1791                          NA                  PSV           RCB
## 1792                          NA              Bologna           RCM
## 1793                          NA          Southampton            RW
```

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## 1794                          NA       RSC Anderlecht          RCB
## 1795                          NA               Celtic
## 1796                          NA         Hamburger SV
## 1797                          NA                Zenit
## 1798                          NA            FC Nantes
## 1799                          NA           UD Almería           RB
## 1800                          NA        Real Sociedad
## 1801                          NA         RC Deportivo
## 1802                          NA              Norwich           RB
## 1803                          NA      1. FSV Mainz 05           RB
## 1804                          NA       Gençlerbirliği           RM
## 1805                Sub        6        Uni. Católica           RW
## 1806                          NA          D.C. United           GK
## 1807                LCB       18        Uni. de Chile          LCB
## 1808                          NA       Standard Liège           RS
## 1809                          NA                Inter
## 1810                          NA          Toulouse FC           ST
## 1811                          NA            Sampdoria
## 1812                          NA             Boavista          LCM
## 1813                          NA                  QPR
## 1814                          NA      Olym. Marseille
## 1815                          NA                 Ajax          LCB
## 1816                          NA        Werder Bremen
## 1817                          NA        Melb. Victory           RW
## 1818                          NA          Sporting CP           LB
## 1819                          NA          Bournemouth          LCB
## 1820                          NA             Al Hilal          CAM
## 1821                          NA           Belenenses           RM
## 1822                          NA             Cagliari
## 1823                          NA              Udinese
## 1824                          NA      Real Valladolid           RS
## 1825                          NA        VfB Stuttgart
## 1826                          NA         FC Groningen           GK
## 1827                          NA      Montpellier HSC           RM
## 1828                          NA                 PAOK          RDM
## 1829                          NA      Çaykur Rizespor
## 1830                          NA          Southampton          RCB
## 1831                          NA        Bor. Dortmund
## 1832                          NA           1. FC Köln           RS
## 1833                          NA        FC Schalke 04
## 1834                          NA          FC Augsburg
## 1835                 RB        3            Hull City           RB
## 1836                          NA             Atalanta
## 1837                          NA     AS Saint-Étienne          RCB
## 1838                 RB       14            Hull City           RB
## 1839                          NA          Galatasaray
## 1840                          NA            Hull City
## 1841                          NA           Hertha BSC
## 1842                          NA          Guadalajara           LM
## 1843                          NA           CA Osasuna          RCB
## 1844                          NA        UD Las Palmas           LB
## 1845                RDM       17             Cagliari           CM
## 1846                          NA           Fenerbahçe           ST
## 1847                          NA          EA Guingamp           RW
```

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## 1848                              NA       BSC Young Boys
## 1849                              NA           Granada CF            CB
## 1850                              NA        Middlesbrough            LB
## 1851                              NA       Sporting Gijón
## 1852                Sub           30          Trabzonspor            RM
## 1853                Sub           12        Uni. Católica            GK
## 1854                              NA         V. Guimarães
## 1855                              NA          FC Augsburg
## 1856                              NA          Galatasaray
## 1857                              NA            West Brom           LDM
## 1858                              NA      1. FSV Mainz 05            LB
## 1859                              NA            FC Twente            LW
## 1860                              NA          San Lorenzo
## 1861                              NA           Granada CF           LWB
## 1862                              NA          Kayserispor
## 1863                              NA             Cagliari            RS
## 1864                Sub            8            Hull City            ST
## 1865                Sub            2          Free Agents           Sub
## 1866                              NA              SM Caen            LW
## 1867                              NA           Granada CF           LCM
## 1868                              NA               Fulham            LW
## 1869                              NA      1. FSV Mainz 05
## 1870                              NA            West Brom            RM
## 1871                              NA          Sporting CP
## 1872                              NA             Belgrano           CAM
## 1873                              NA                 Roma
## 1874                              NA            FC Rostov            GK
## 1875                              NA             Atalanta           RCB
## 1876                 LM           23       Spartak Moscow            LB
## 1877                Sub           20               Tigres           RDM
## 1878                              NA         Orlando City            RM
## 1879                              NA         Swansea City            RB
## 1880                              NA                Lazio
## 1881                              NA            Feyenoord           LCB
## 1882                              NA       Crystal Palace            RB
## 1883                 RB            4        Werder Bremen            RB
## 1884                              NA       Crystal Palace            LB
## 1885                RCB            5          Aston Villa           RCB
## 1886                              NA              FC Sion            RW
##       Club_Kit Club_Joining Contract_Expiry Rating Height Weight
## 1            7   07/01/2009            2021     94 185 cm  80 kg
## 2           10   07/01/2004            2018     93 170 cm  72 kg
## 3           11   07/01/2013            2021     92 174 cm  68 kg
## 4            9   07/11/2014            2021     92 182 cm  85 kg
## 5            1   07/01/2011            2021     92 193 cm  92 kg
## 6            1   07/01/2011            2019     90 193 cm  82 kg
## 7            9   07/01/2014            2021     90 185 cm  79 kg
## 8           11   09/02/2013            2022     90 183 cm  74 kg
## 9            9   07/01/2016            2017     90 195 cm  95 kg
## 10          13   07/26/2011            2019     89 199 cm  91 kg
## 11          17   07/14/2011            2021     89 192 cm  90 kg
## 12          10   07/01/2012            2020     89 173 cm  74 kg
## 13          19   08/01/2012            2020     89 174 cm  65 kg
## 14          11   09/02/2013            2018     89 180 cm  76 kg
```

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## 15          9   07/26/2016          2021     89 184 cm  92 kg
## 16          2   07/01/2012          2020     89 183 cm  79 kg
## 17          4   08/01/2005          2020     89 183 cm  75 kg
## 18         10   07/28/2011          2020     89 173 cm  70 kg
## 19          6   08/09/2016          2021     88 191 cm  84 kg
## 20          7   07/29/2014          2021     88 176 cm  67 kg
## 21         17   08/30/2015          2021     88 181 cm  68 kg
## 22         11   07/01/2012          2019     88 182 cm  76 kg
## 23          7   07/10/2014          2018     88 169 cm  62 kg
## 24          8   07/17/2014          2022     88 182 cm  78 kg
## 25          2   08/01/2010          2019     88 185 cm  73 kg
## 26          5   07/01/2016          2021     88 191 cm  92 kg
## 27          1   08/01/2012          2022     88 188 cm  82 kg
## 28          3   07/01/2005          2018     88 187 cm  84 kg
## 29         21   11/01/2002          2018     88 170 cm  66 kg
## 30          3   07/01/2007          2017     88 188 cm  81 kg
## 31         33   06/29/2015          2019     88 196 cm  90 kg
## 32          1   07/01/2001          2018     88 192 cm  91 kg
## 33          8   07/01/2002          2018     88 171 cm  68 kg
## 34         13   07/17/2014          2021     87 189 cm  87 kg
## 35         10   07/22/2014          2020     87 180 cm  75 kg
## 36         17   07/04/2013          2020     87 187 cm  80 kg
## 37         19   07/01/2010          2021     87 190 cm  85 kg
## 38         23   07/28/2015          2019     87 180 cm  75 kg
## 39          4   06/24/2014          2021     87 184 cm  78 kg
## 40         21   07/14/2010          2019     87 173 cm  67 kg
## 41          1   07/01/2012          2019     87 193 cm  89 kg
## 42          3   07/01/2008          2019     87 193 cm  85 kg
## 43         10   08/28/2009          2018     87 180 cm  80 kg
## 44         21   07/01/2015          2020     86 177 cm  74 kg
## 45          6   07/01/2012          2021     86 165 cm  60 kg
## 46         27   02/10/2010          2021     86 180 cm  76 kg
## 47         22   07/06/2016          2020     86 177 cm  75 kg
## 48          1   01/01/2012          2018     86 190 cm  83 kg
## 49         25   08/10/2008          2021     86 186 cm  75 kg
## 50          5   09/01/2008          2021     86 189 cm  76 kg
## 51          6   07/14/2013          2019     86 174 cm  70 kg
## 52         18   07/01/2012          2020     86 170 cm  68 kg
## 53         10   01/30/2013          2022     86 171 cm  68 kg
## 54         11   08/06/2015          2019     86 180 cm  75 kg
## 55         19   07/15/2014          2019     86 188 cm  85 kg
## 56          9   07/16/2013          2018     86 184 cm  71 kg
## 57          4   01/07/2014          2020     86 176 cm  65 kg
## 58         12   01/01/2007          2020     86 174 cm  75 kg
## 59          8   06/01/2007          2020     86 180 cm  75 kg
## 60         25   07/03/2015          2018     86 186 cm  78 kg
## 61          9   07/01/2009          2019     86 187 cm  79 kg
## 62          4   07/01/2014          2019     86 175 cm  74 kg
## 63          7   07/01/2007          2018     86 170 cm  72 kg
## 64         19   08/07/2012          2018     86 168 cm  66 kg
## 65         15   01/01/2011          2018     86 187 cm  88 kg
## 66         10   07/01/2010          2022     85 188 cm  86 kg
## 67         10   07/01/2009          2019     85 175 cm  73 kg
## 68          1   08/04/2014          2020     85 185 cm  78 kg
```

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## 69          10   07/30/2014          2019     85 190 cm  94 kg
## 70          23   08/30/2013          2018     85 180 cm  76 kg
## 71           8   07/01/2016          2020     85 180 cm  80 kg
## 72           4   07/08/2015          2020     85 187 cm  91 kg
## 73          22   08/28/2013          2020     85 175 cm  75 kg
## 74           5   07/01/2016          2021     85 180 cm  72 kg
## 75           8   01/25/2014          2018     85 170 cm  63 kg
## 76           8   08/29/2012          2021     85 190 cm  81 kg
## 77          11   01/29/2017          2021     85 175 cm  77 kg
## 78          14   07/01/2013          2018     85 169 cm  61 kg
## 79          25   07/01/2013          2019     85 186 cm  85 kg
## 80          17   07/01/2007          2020     85 183 cm  79 kg
## 81          14   07/01/2011          2018     85 175 cm  70 kg
## 82          16   07/11/2011          2021     85 188 cm  93 kg
## 83           6   07/07/2010          2020     85 186 cm  75 kg
## 84           3   07/29/2015          2019     85 182 cm  77 kg
## 85           4   08/22/2008          2019     85 193 cm  85 kg
## 86           4   10/01/2012          2020     84 189 cm  85 kg
## 87          10   07/10/2015          2022     84 180 cm  66 kg
## 88           2   07/05/2013          2020     84 173 cm  73 kg
## 89          26   01/11/2014          2020     84 179 cm  62 kg
## 90           5   07/01/2011          2020     84 191 cm  78 kg
## 91           9   07/09/2013          2021     84 181 cm  75 kg
## 92          24   07/01/2010          2019     84 163 cm  59 kg
## 93          22   07/03/2013          2018     84 176 cm  74 kg
## 94           6   01/01/2011          2019     84 178 cm  74 kg
## 95          44   08/26/2014          2019     84 189 cm  83 kg
## 96           1   01/24/2012          2019     84 191 cm  84 kg
## 97          30   08/20/2015          2020     84 183 cm  81 kg
## 98          20   08/30/2016          2021     84 184 cm  82 kg
## 99          21   01/15/2014          2019     84 194 cm  84 kg
## 100         12   08/21/2015          2020     84 181 cm  76 kg
## 101         25   07/06/2016          2020     84 190 cm  80 kg
## 102         11   07/01/2015          2020     84 170 cm  65 kg
## 103          6   07/16/2013          2018     84 186 cm  78 kg
## 104         23   07/01/2016          2020     84 173 cm  68 kg
## 105         21   07/01/2005          2020     84 184 cm  73 kg
## 106         44   09/01/2015          2020     84 186 cm  81 kg
## 107         30   08/31/2016          2019     84 189 cm  84 kg
## 108          6   07/01/2015          2019     84 189 cm  93 kg
## 109          4   07/01/2007          2020     84 187 cm  82 kg
## 110          1   07/01/2011          2020     84 196 cm  95 kg
## 111          1   06/30/2014          2022     84 189 cm  87 kg
## 112         19   07/06/2016          2020     84 174 cm  71 kg
## 113          4   08/26/2014          2019     84 190 cm  96 kg
## 114         30   07/01/2016          2019     84 185 cm  82 kg
## 115         23   07/01/2016          2018     84 172 cm  68 kg
## 116          7   07/06/2015          2020     84 177 cm  76 kg
## 117         14   08/01/2010          2019     84 174 cm  73 kg
## 118         20   07/01/2012          2017     84 182 cm  78 kg
## 119         42   07/02/2010          2017     84 189 cm  90 kg
## 120          3   07/01/2016          2020     83 187 cm  77 kg
## 121         24   07/01/2013          2018     83 185 cm  80 kg
## 122          7   07/16/2016          2021     83 168 cm  68 kg
```

```
## 123          1   01/01/2017            2022     83 189 cm  80 kg
## 124          6   08/28/2016            2021     83 179 cm  73 kg
## 125         21   07/21/2016            2021     83 188 cm  84 kg
## 126          5   07/19/2013            2019     83 183 cm  75 kg
## 127         70   07/10/2015            2020     83 181 cm  77 kg
## 128         14   01/01/2011            2020     83 187 cm  83 kg
## 129         38   07/01/2011            2021     83 183 cm  80 kg
## 130          7   07/14/2015            2020     83 170 cm  69 kg
## 131         23   01/03/2017            2021     83 187 cm  72 kg
## 132         11   07/06/2015            2020     83 181 cm  76 kg
## 133          5   08/20/2014            2019     83 187 cm  80 kg
## 134         26   07/01/2014            2019     83 195 cm  89 kg
## 135         22   07/02/2015            2022     83 188 cm  83 kg
## 136          1   07/01/2011            2019     83 192 cm  90 kg
## 137         14   07/11/2013            2021     83 184 cm  80 kg
## 138         20   07/03/2013            2020     83 184 cm  79 kg
## 139          1   06/11/2010            2020     83 184 cm  81 kg
## 140          1   01/01/2010            2019     83 188 cm  74 kg
## 141         32   07/01/2016            2020     83 195 cm  90 kg
## 142          7   02/02/2015            2019     83 179 cm  71 kg
## 143         10   07/01/2015            2020     83 176 cm  67 kg
## 144          1   07/01/2014            2019     83 187 cm  85 kg
## 145         10   08/01/2016            2020     82 176 cm  75 kg
## 146         21   06/26/2014            2018     83 182 cm  73 kg
## 147         10   08/01/2011            2019     83 187 cm  78 kg
## 148         12   07/01/2010            2019     83 193 cm  90 kg
## 149         11   08/20/2015            2019     83 167 cm  62 kg
## 150          5   09/01/2014            2019     83 181 cm  75 kg
## 151         38   07/01/2015            2019     83 187 cm  85 kg
## 152         99   01/01/2017            2020     83 179 cm  67 kg
## 153         15   07/09/2015            2020     83 190 cm  75 kg
## 154          8   06/13/2008            2018     83 183 cm  76 kg
## 155          5   07/01/2010            2018     83 182 cm  75 kg
## 156         21   07/01/2011            2018     83 187 cm  83 kg
## 157          7   07/11/2013            2020     83 178 cm  73 kg
## 158         23   01/01/2007            2020     83 175 cm  69 kg
## 159         28   08/24/2012            2020     83 178 cm  75 kg
## 160         10   02/03/2015            2019     83 164 cm  59 kg
## 161         27   07/01/2015            2021     83 187 cm  84 kg
## 162         17   07/01/2015            2019     83 190 cm  86 kg
## 163         20   07/01/2014            2021     83 172 cm  73 kg
## 164         12   06/26/2012            2020     83 192 cm  88 kg
## 165          1   06/01/2006            2022     83 190 cm  84 kg
## 166          1   07/01/2014            2019     83 183 cm  79 kg
## 167         10   09/12/2014            2019     83 181 cm  75 kg
## 168         21   07/30/2016            2020     83 173 cm  70 kg
## 169          1   08/25/2016            2020     83 184 cm  80 kg
## 170         26   07/01/2010            2018     83 184 cm  78 kg
## 171          5   07/01/2012            2019     83 189 cm  88 kg
## 172          1   07/13/2015            2019     83 200 cm  83 kg
## 173         29   07/01/2016            2018     83 198 cm  91 kg
## 174         15   01/02/2013            2019     83 180 cm  76 kg
## 175         23   01/20/2017            2019     83 187 cm  81 kg
## 176         24   08/31/2016            2020     83 188 cm  77 kg
```

```
## 177          10   08/24/2011            2019     83 175 cm  75 kg
## 178          24   01/16/2012            2019     83 193 cm  86 kg
## 179           5   08/10/2016            2019     83 182 cm  91 kg
## 180           3   08/07/2007            2019     83 170 cm  70 kg
## 181           1   06/01/2011            2021     83 185 cm  76 kg
## 182          20   08/01/2012            2019     83 175 cm  73 kg
## 183          21   07/01/2016            2018     83 178 cm  74 kg
## 184          21   05/24/2006            2019     83 196 cm  91 kg
## 185          20   01/01/2011            2018     83 180 cm  72 kg
## 186          10   01/22/2013            2018     83 170 cm  72 kg
## 187          17   07/05/2016            2019     83 175 cm  66 kg
## 188          26   07/01/2011            2018     83 182 cm  74 kg
## 189          10   08/31/2004            2019     83 176 cm  83 kg
## 190          16   07/01/2002            2017     83 184 cm  83 kg
## 191          25   07/01/2015            2018     83 188 cm  92 kg
## 192           7   07/22/2015            2020     83 175 cm  67 kg
## 193          20   01/22/2015            2021     82 178 cm  70 kg
## 194          10   01/20/2015            2020     83 173 cm  64 kg
## 195          19   08/31/2016            2021     82 188 cm  79 kg
## 196           4   07/16/2015            2020     82 194 cm  98 kg
## 197          11   09/01/2015            2019     82 184 cm  76 kg
## 198          20   02/02/2015            2022     82 188 cm  80 kg
## 199           1   07/01/2015            2023     82 188 cm  83 kg
## 200          11   01/26/2014            2019     82 175 cm  72 kg
## 201          19   07/01/2016            2020     82 175 cm  75 kg
## 202          17   07/02/2015            2021     82 173 cm  69 kg
## 203          22   07/16/2016            2021     82 186 cm  82 kg
## 204          14   07/01/2011            2022     82 178 cm  71 kg
## 205          23   07/12/2016            2021     82 181 cm  75 kg
## 206          15   07/20/2015            2020     82 186 cm  73 kg
## 207          15   07/08/2014            2020     82 171 cm  73 kg
## 208           1   07/01/2016            2021     82 190 cm  87 kg
## 209          24   07/01/2010            2019     82 173 cm  67 kg
## 210          17   09/01/2015            2020     82 193 cm  92 kg
## 211           1   01/31/2013            2021     82 196 cm  95 kg
## 212          21   07/01/2016            2021     82 189 cm  85 kg
## 213           7   01/01/2013            2019     82 172 cm  72 kg
## 214          11   07/09/2015            2019     82 178 cm  78 kg
## 215          15   07/08/2013            2018     82 192 cm  88 kg
## 216           9   07/01/2016            2019     82 175 cm  72 kg
## 217          29   07/01/2016            2021     82 185 cm  82 kg
## 218           3   07/30/2014            2018     82 189 cm  78 kg
## 219          21   07/17/2015            2021     82 170 cm  64 kg
## 220          21   07/30/2013            2022     82 172 cm  66 kg
## 221          19   01/26/2012            2019     82 176 cm  76 kg
## 222           4   07/03/2016            2021     82 186 cm  85 kg
## 223          44   08/28/2015            2020     82 178 cm  65 kg
## 224           6   07/27/2014            2019     82 188 cm  84 kg
## 225          17   08/16/2014            2018     82 171 cm  71 kg
## 226          17   08/03/2016            2020     82 174 cm  72 kg
## 227           6   07/01/2015            2019     82 185 cm  78 kg
## 228          34   01/13/2012            2019     82 180 cm  77 kg
## 229          22   08/11/2015            2020     82 169 cm  72 kg
## 230          17   07/27/2016            2021     82 185 cm  85 kg
```

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## 231          2   07/01/2015            2020     82 175 cm  67 kg
## 232          8   08/20/2013            2020     82 195 cm  88 kg
## 233         32   01/05/2009            2018     82 172 cm  68 kg
## 234         23   08/31/2014            2018     82 172 cm  64 kg
## 235          1   07/08/2015            2020     82 189 cm  88 kg
## 236         28   01/11/2013            2017     82 172 cm  64 kg
## 237          2   07/01/2009            2021     82 183 cm  83 kg
## 238         11   07/04/2014            2019     82 174 cm  69 kg
## 239         22   08/16/2013            2018     82 187 cm  80 kg
## 240          7   07/26/2016            2020     82 172 cm  68 kg
## 241         23   07/23/2014            2020     82 186 cm  77 kg
## 242          8   07/22/2014            2019     82 175 cm  66 kg
## 243         10   09/02/2013            2020     82 192 cm  83 kg
## 244         14   06/09/2011            2020     82 182 cm  67 kg
## 245          1   07/18/2013            2019     82 190 cm  79 kg
## 246         12   09/02/2013            2020     81 187 cm  83 kg
## 247         23   07/01/2015            2019     82 190 cm  88 kg
## 248          1   08/11/2011            2018     82 190 cm  84 kg
## 249         14   06/27/2012            2020     82 192 cm  84 kg
## 250          9   07/01/2015            2020     82 193 cm  84 kg
## 251         23   02/04/2009            2019     82 177 cm  77 kg
## 252          7   08/31/2015            2018     82 175 cm  73 kg
## 253          7   06/26/2013            2018     82 175 cm  72 kg
## 254          8   08/18/2009            2019     82 185 cm  80 kg
## 255         99   01/03/2017            2019     82 186 cm  73 kg
## 256          2   01/12/2017            2021     82 185 cm  75 kg
## 257         11   08/19/2012            2018     82 182 cm  70 kg
## 258         11   07/01/2012            2018     82 177 cm  75 kg
## 259          2   06/30/2016            2021     82 195 cm  90 kg
## 260         25   06/30/2009            2018     82 181 cm  78 kg
## 261         27   07/01/2015            2020     82 172 cm  74 kg
## 262          9   07/01/2013            2018     82 177 cm  72 kg
## 263          1   07/01/2011            2019     82 187 cm  83 kg
## 264         47   09/01/2014            2018     82 189 cm  82 kg
## 265          8   07/01/2013            2018     82 170 cm  61 kg
## 266         19   08/01/2012            2019     82 185 cm  88 kg
## 267          7   06/25/2015            2017     82 170 cm  68 kg
## 268         24   12/10/2004            2018     82 181 cm  80 kg
## 269         20   07/20/2013            2018     82 178 cm  63 kg
## 270          1   06/14/2011            2017     82 188 cm  86 kg
## 271         33   07/21/2013            2020     82 190 cm  82 kg
## 272         33   08/17/2016            2019     82 189 cm  88 kg
## 273         14   07/01/2011            2018     82 180 cm  74 kg
## 274         13   08/13/2014            2018     82 196 cm  89 kg
## 275         11   07/01/2013            2019     82 174 cm  69 kg
## 276         10   09/02/2014            2020     82 165 cm  68 kg
## 277          2   08/03/2012            2017     82 182 cm  79 kg
## 278          1   01/01/2011            2019     82 182 cm  87 kg
## 279         10   07/01/2014            2017     82 186 cm  83 kg
## 280         25   07/01/2013            2018     82 179 cm  67 kg
## 281          7   07/01/2014            2017     82 175 cm  69 kg
## 282         26   07/08/2016            2018     82 183 cm  78 kg
## 283          4   08/31/2011            2018     82 198 cm  90 kg
## 284         21   01/26/2017            2018     82 174 cm  76 kg
```

```
## 285          14   08/29/2014            2017     82 183 cm  80 kg
## 286          16   08/31/2006            2017     82 188 cm  74 kg
## 287          21   07/06/2015            2023     82 177 cm  68 kg
## 288           1   07/12/2015            2017     82 185 cm  84 kg
## 289           7   07/01/2016            2021     81 178 cm  67 kg
## 290           8   08/01/2013            2020     81 181 cm  78 kg
## 291          77   07/01/2016            2019     81 181 cm  68 kg
## 292          10   07/01/2011            2019     81 183 cm  75 kg
## 293          25   05/11/2013            2019     81 195 cm  95 kg
## 294          25   07/01/2012            2019     81 183 cm  72 kg
## 295           8   01/18/2017            2021     81 180 cm  72 kg
## 296          19   07/01/2015            2020     81 182 cm  67 kg
## 297          25   07/02/2012            2019     81 188 cm  71 kg
## 298           8   07/02/2013            2018     81 189 cm  79 kg
## 299          10   08/08/2014            2021     81 174 cm  70 kg
## 300           9   08/17/2015            2021     81 181 cm  72 kg
## 301          14   02/25/2012            2021     81 185 cm  75 kg
## 302          16   08/19/2015            2021     81 178 cm  77 kg
## 303           1   07/01/2012            2019     81 194 cm  88 kg
## 304          17   08/14/2013            2020     81 173 cm  73 kg
## 305           8   01/18/2014            2020     81 180 cm  65 kg
## 306          26   08/19/2015            2020     81 179 cm  70 kg
## 307          23   07/04/2016            2021     80 185 cm  78 kg
## 308           6   08/01/2011            2021     81 181 cm  77 kg
## 309           8   01/17/2015            2019     81 176 cm  70 kg
## 310           7   07/01/2015            2018     81 179 cm  73 kg
## 311          10   07/09/2013            2020     81 175 cm  70 kg
## 312          13   08/25/2016            2021     81 185 cm  83 kg
## 313          12   07/30/2016            2021     81 170 cm  68 kg
## 314           9   08/30/2016            2020     81 180 cm  73 kg
## 315           8   12/08/2010            2018     81 189 cm  76 kg
## 316          17   08/20/2015            2020     81 182 cm  73 kg
## 317           5   07/01/2016            2020     81 184 cm  73 kg
## 318          21   08/01/2016            2021     81 184 cm  74 kg
## 319          37   08/19/2016            2021     81 182 cm  77 kg
## 320           2   07/01/2008            2022     81 182 cm  74 kg
## 321          15   01/01/2013            2019     81 171 cm  70 kg
## 322           1   08/07/2015            2018     81 190 cm  80 kg
## 323          17   09/01/2014            2018     81 180 cm  72 kg
## 324          18   07/01/2009            2019     81 180 cm  76 kg
## 325          12   01/14/2015            2019     81 182 cm  90 kg
## 326           8   07/01/2008            2019     81 187 cm  75 kg
## 327          10   07/01/2011            2020     81 180 cm  75 kg
## 328           9   08/10/2015            2019     81 189 cm  85 kg
## 329           6   06/23/2014            2018     81 180 cm  80 kg
## 330          28   08/28/2016            2020     81 196 cm  78 kg
## 331          16   09/02/2013            2020     81 180 cm  72 kg
## 332           6   12/28/2010            2019     81 182 cm  75 kg
## 333          99   07/02/2015            2019     81 182 cm  77 kg
## 334          10   01/01/2008            2019     81 179 cm  75 kg
## 335          19   08/13/2013            2020     81 178 cm  70 kg
## 336          13   07/01/2015            2020     81 181 cm  80 kg
## 337           9   09/01/2016            2018     81 189 cm  88 kg
## 338           1   07/01/2008            2018     81 196 cm  84 kg
```

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## 339          9   08/18/2015            2019     81 187 cm  80 kg
## 340          6   07/01/2010            2020     81 186 cm  77 kg
## 341         17   08/20/2016            2020     81 190 cm  83 kg
## 342         16   07/01/2014            2020     81 184 cm  75 kg
## 343          5   08/24/2013            2019     81 185 cm  80 kg
## 344         12   02/16/2017            2017     81 180 cm  78 kg
## 345          5   07/26/2016            2021     81 175 cm  74 kg
## 346         20   08/27/2014            2018     81 195 cm  85 kg
## 347          4   06/17/2015            2019     81 189 cm  90 kg
## 348          8   08/31/2014            2018     81 185 cm  80 kg
## 349         21   01/01/2016            2020     81 179 cm  69 kg
## 350         13   01/27/2014            2019     81 191 cm  88 kg
## 351          2   08/26/2014            2017     81 172 cm  65 kg
## 352          6   07/01/2009            2021     81 186 cm  78 kg
## 353         28   08/11/2015            2018     81 167 cm  58 kg
## 354         10   07/22/2014            2020     81 170 cm  65 kg
## 355         12   01/04/2016            2019     81 177 cm  71 kg
## 356         87   08/03/2016            2020     81 180 cm  70 kg
## 357         13   08/04/2015            2019     81 188 cm  80 kg
## 358         22   08/31/2015            2019     81 184 cm  81 kg
## 359         10   07/16/2015            2023     81 175 cm  74 kg
## 360         11   08/30/2013            2018     81 181 cm  80 kg
## 361         17   01/17/2008            2018     81 191 cm  76 kg
## 362          3   07/01/2007            2021     81 174 cm  76 kg
## 363         99   02/10/2016            2023     81 186 cm  85 kg
## 364         37   07/15/2016            2019     81 191 cm  81 kg
## 365         14   01/20/2006            2019     81 176 cm  68 kg
## 366          3   07/01/2014            2017     81 176 cm  72 kg
## 367         31   08/23/2016            2019     81 188 cm  87 kg
## 368          8   08/31/2014            2019     81 184 cm  77 kg
## 369         10   06/18/2015            2019     81 187 cm  89 kg
## 370         11   07/04/2015            2018     81 182 cm  83 kg
## 371         10   07/01/2015            2019     81 186 cm  82 kg
## 372          5   08/31/2008            2017     81 178 cm  74 kg
## 373         33   07/01/2003            2021     81 178 cm  72 kg
## 374         16   07/01/2009            2017     81 187 cm  93 kg
## 375         24   08/02/2010            2019     81 174 cm  72 kg
## 376         24   07/23/2014            2018     81 189 cm  84 kg
## 377          1   01/13/2012            2020     81 186 cm  86 kg
## 378          1   06/04/2014            2018     81 189 cm  82 kg
## 379         22   01/01/2014            2019     81 190 cm  82 kg
## 380         18   01/16/2015            2019     81 170 cm  70 kg
## 381          8   01/01/2012            2017     81 187 cm  83 kg
## 382          9   07/04/2016            2017     81 186 cm  78 kg
## 383         12   08/19/2014            2018     81 186 cm  79 kg
## 384         NA                           NA     81 189 cm  80 kg
## 385         10   08/26/2008            2017     81 178 cm  70 kg
## 386         26   10/28/1998            2017     81 187 cm  90 kg
## 387          9   07/01/2015            2018     81 179 cm  75 kg
## 388          5   07/17/2011            2017     81 183 cm  71 kg
## 389         77   07/01/2014            2022     80 173 cm  67 kg
## 390         19   08/02/2016            2021     80 184 cm  76 kg
## 391         33   07/01/2015            2021     81 186 cm  71 kg
## 392         18   07/01/2013            2020     80 173 cm  76 kg
```

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## 393          6   07/01/2015            2019     80 168 cm  65 kg
## 394         11   08/01/2012            2021     80 186 cm  77 kg
## 395         57   06/22/2012            2020     80 192 cm  87 kg
## 396         14   07/01/2013            2018     80 184 cm  80 kg
## 397         19   07/01/2014            2020     80 193 cm  82 kg
## 398         27   06/27/2015            2020     80 170 cm  58 kg
## 399         29   07/01/2014            2019     80 178 cm  71 kg
## 400         19   07/06/2016            2021     80 191 cm  91 kg
## 401         32   07/01/2015            2020     80 176 cm  70 kg
## 402         19   01/01/2014            2019     80 183 cm  82 kg
## 403         19   08/29/2016            2021     80 170 cm  60 kg
## 404         20   09/03/2013            2018     80 173 cm  66 kg
## 405         24   02/04/2015            2021     80 190 cm  81 kg
## 406         13   07/01/2016            2020     80 170 cm  67 kg
## 407          2   07/01/2012            2021     80 188 cm  78 kg
## 408          9   05/01/2012            2020     81 178 cm  76 kg
## 409         22   08/30/2016            2021     80 180 cm  70 kg
## 410         10   01/07/2015            2022     80 179 cm  78 kg
## 411          8   05/01/2012            2021     80 181 cm  70 kg
## 412         28   07/01/2016            2021     80 185 cm  77 kg
## 413          6   07/01/2010            2020     80 181 cm  76 kg
## 414         23   06/27/2014            2018     80 185 cm  75 kg
## 415         11   07/09/2016            2021     80 181 cm  72 kg
## 416          2   06/30/2016            2020     80 190 cm  85 kg
## 417         31   01/14/2015            2019     80 188 cm  83 kg
## 418          6   07/04/2016            2020     80 181 cm  72 kg
## 419          5   01/31/2014            2019     80 190 cm  85 kg
## 420         25   07/01/2011            2019     80 193 cm  78 kg
## 421         24   07/01/2014            2023     80 178 cm  74 kg
## 422         10   07/01/2015            2019     80 174 cm  69 kg
## 423         10   07/01/2009            2019     80 179 cm  70 kg
## 424         18   07/01/2011            2018     80 180 cm  73 kg
## 425          9   01/09/2017            2021     80 180 cm  82 kg
## 426         20   08/27/2015            2020     80 182 cm  74 kg
## 427         12   07/03/2014            2020     80 174 cm  71 kg
## 428         24   07/03/2015            2020     80 182 cm  78 kg
## 429         21   07/01/2015            2018     80 184 cm  73 kg
## 430         19   07/09/2016            2021     80 182 cm  71 kg
## 431          6   08/01/2010            2021     80 179 cm  75 kg
## 432         72   07/23/2013            2017     80 190 cm  79 kg
## 433         31   07/01/2016            2021     80 179 cm  75 kg
## 434          5   07/22/2015            2019     80 175 cm  74 kg
## 435          8   06/29/2014            2020     80 185 cm  81 kg
## 436         20   11/10/2010            2019     80 178 cm  71 kg
## 437         11   02/02/2015            2020     80 180 cm  66 kg
## 438         20   01/31/2017            2021     80 186 cm  81 kg
## 439         23   05/17/2016            2019     80 187 cm  77 kg
## 440          7   07/01/2010            2019     80 179 cm  70 kg
## 441         13   01/31/2017            2022     80 196 cm  92 kg
## 442         15   06/08/2012            2018     80 180 cm  75 kg
## 443         44   08/01/2009            2018     80 180 cm  70 kg
## 444          4   07/01/2011            2019     80 185 cm  71 kg
## 445         13   07/01/2013            2017     80 188 cm  77 kg
## 446         25   07/03/2015            2019     80 192 cm  84 kg
```

```
## 447          2   07/01/2009            2021     80 173 cm  69 kg
## 448         11   07/01/2016            2021     80 180 cm  78 kg
## 449          5   06/30/2013            2018     80 177 cm  75 kg
## 450          1   07/01/2014            2021     80 187 cm  82 kg
## 451          2   07/01/2012            2019     80 187 cm  80 kg
## 452         20   08/02/2016            2021     80 182 cm  76 kg
## 453         17   08/31/2015            2020     80 173 cm  62 kg
## 454         21   07/01/2009            2018     80 187 cm  76 kg
## 455         16   01/01/2009            2019     80 191 cm  91 kg
## 456         10   01/05/2017            2021     80 179 cm  72 kg
## 457         18   07/01/2012            2019     80 173 cm  68 kg
## 458         92   01/26/2016            2020     80 178 cm  72 kg
## 459         14   08/01/2014            2020     80 174 cm  69 kg
## 460         35   07/01/2013            2018     80 192 cm  84 kg
## 461         25   01/04/2017            2021     80 185 cm  75 kg
## 462         34   09/23/2008            2021     80 178 cm  74 kg
## 463         29   07/01/2008            2021     80 181 cm  74 kg
## 464         10   07/07/2015            2019     80 177 cm  74 kg
## 465         19   07/21/2016            2021     80 184 cm  78 kg
## 466         90   07/01/2015            2019     80 187 cm  80 kg
## 467         16   07/29/2015            2017     80 183 cm  75 kg
## 468         22   07/01/2012            2017     80 173 cm  76 kg
## 469         21   07/01/2016            2020     80 187 cm  73 kg
## 470         23   09/01/2014            2019     80 185 cm  73 kg
## 471          4   01/01/2012            2021     80 177 cm  70 kg
## 472         11   07/24/2010            2018     80 187 cm  83 kg
## 473         36   07/11/2015            2019     80 182 cm  70 kg
## 474         16   07/01/2014            2018     80 171 cm  61 kg
## 475          8   01/01/2016            2019     80 179 cm  70 kg
## 476         21   07/10/2015            2019     80 191 cm  86 kg
## 477         10   08/02/2016            2019     80 180 cm  76 kg
## 478         11   07/01/2016            2020     80 188 cm  85 kg
## 479          7   01/18/2016            2019     80 178 cm  77 kg
## 480         16   07/31/2015            2019     80 183 cm  79 kg
## 481         77   07/15/2015            2019     80 178 cm  73 kg
## 482         60   02/01/2017            2019     80 185 cm  91 kg
## 483         23   07/01/2012            2020     80 179 cm  74 kg
## 484         13   07/19/2015            2020     80 191 cm  84 kg
## 485         18   01/31/2013            2019     80 179 cm  72 kg
## 486         35   08/30/2013            2017     80 186 cm  80 kg
## 487          5   01/15/2016            2019     80 166 cm  63 kg
## 488         20   08/09/2016            2019     80 176 cm  72 kg
## 489          2   08/01/2010            2021     80 190 cm  87 kg
## 490         21   05/11/2007            2017     80 179 cm  73 kg
## 491          7   08/01/2016            2017     80 186 cm  86 kg
## 492          3   08/15/2015            2019     80 183 cm  80 kg
## 493         15   07/30/2016            2019     80 181 cm  76 kg
## 494         18   07/01/2015            2019     80 181 cm  74 kg
## 495         23   08/03/2016            2019     80 177 cm  74 kg
## 496         18   07/01/2015            2018     80 169 cm  67 kg
## 497          8   07/10/2014            2019     80 172 cm  68 kg
## 498         21   02/02/2015            2021     80 179 cm  85 kg
## 499         33   01/01/2011            2020     80 192 cm  85 kg
## 500         25   07/01/2011            2018     80 190 cm  80 kg
```

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## 501          7   07/10/2015          2018     80 174 cm  71 kg
## 502         29   01/14/2013          2023     80 178 cm  75 kg
## 503          8   07/01/2014          2018     80 183 cm  72 kg
## 504         22   06/30/2014          2019     80 182 cm  81 kg
## 505         29   02/02/2015          2018     80 190 cm  80 kg
## 506          1   07/01/2014          2019     80 190 cm  83 kg
## 507          1   07/01/2012          2019     80 193 cm  90 kg
## 508         19   08/30/2015          2019     80 188 cm  82 kg
## 509          6   08/16/2013          2018     80 192 cm  84 kg
## 510         16   07/01/2013          2019     80 183 cm  72 kg
## 511         35   01/01/2002          2019     80 186 cm  82 kg
## 512         16   01/25/2016          2018     80 173 cm  78 kg
## 513         30   12/13/2006          2021     80 190 cm  84 kg
## 514         83   07/03/2015          2018     80 193 cm  79 kg
## 515         22   07/01/2011          2018     80 188 cm  83 kg
## 516          7   07/01/2015          2021     80 176 cm  70 kg
## 517         13   07/23/2014          2018     80 184 cm  84 kg
## 518         10   01/31/2010          2018     80 176 cm  77 kg
## 519         13   07/31/2013          2018     80 187 cm  83 kg
## 520          5   07/01/2012          2020     80 187 cm  82 kg
## 521         31   03/21/2017          2023     82 183 cm  79 kg
## 522          1   07/01/2012          2017     80 191 cm  87 kg
## 523         14   06/29/2016          2018     80 183 cm  85 kg
## 524          6   07/04/2007          2018     80 183 cm  83 kg
## 525         70   07/06/2016          2018     80 186 cm  86 kg
## 526         10   07/14/2015          2018     80 187 cm  71 kg
## 527         18   07/08/2014          2017     80 183 cm  79 kg
## 528         10   01/01/1993          2017     80 180 cm  82 kg
## 529         99   07/01/2015          2018     79 196 cm  90 kg
## 530         50   07/01/2013          2021     79 177 cm  67 kg
## 531         10   07/22/2016          2021     79 182 cm  78 kg
## 532         21   08/06/2015          2020     79 191 cm  76 kg
## 533          9   07/01/2014          2020     79 192 cm  72 kg
## 534          5   07/01/2015          2020     79 181 cm  78 kg
## 535         14   01/01/2014          2021     79 187 cm  80 kg
## 536          8   07/01/2016          2020     79 172 cm  64 kg
## 537         14   07/29/2014          2019     79 184 cm  72 kg
## 538          8   07/01/2013          2018     79 177 cm  69 kg
## 539         35   07/01/2013          2022     79 189 cm  84 kg
## 540         27   08/31/2016          2021     79 170 cm  63 kg
## 541         14   07/01/2012          2018     79 180 cm  75 kg
## 542          2   09/03/2013          2021     79 187 cm  80 kg
## 543         11   12/13/2014          2019     79 174 cm  70 kg
## 544          3   04/10/2013          2020     79 188 cm  78 kg
## 545         10   02/27/2017          2021     79 187 cm  78 kg
## 546          1   07/01/2016          2020     79 192 cm  85 kg
## 547         27   07/29/2014          2019     79 185 cm  75 kg
## 548          7   10/30/2012          2018     79 173 cm  68 kg
## 549         14   09/13/2012          2020     79 172 cm  64 kg
## 550         15   07/01/2014          2021     79 184 cm  80 kg
## 551         23   07/01/2013          2019     79 173 cm  65 kg
## 552          2   08/02/2015          2021     79 182 cm  70 kg
## 553          2   05/26/2015          2021     79 182 cm  72 kg
## 554         13   08/11/2015          2020     79 185 cm  75 kg
```

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## 555          20   08/09/2016            2021     79 180 cm  75 kg
## 556          13   09/06/2014            2021     79 178 cm  72 kg
## 557          21   07/01/2013            2019     79 175 cm  70 kg
## 558          30   05/01/2012            2018     79 175 cm  63 kg
## 559          17   07/25/2016            2021     79 184 cm  82 kg
## 560          23   07/03/2014            2019     79 184 cm  82 kg
## 561          28   07/17/2014            2019     79 190 cm  87 kg
## 562           9   07/01/2015            2020     79 173 cm  70 kg
## 563          26   07/01/2012            2018     79 188 cm  83 kg
## 564          27   10/10/2011            2020     79 184 cm  74 kg
## 565          14   08/28/2014            2021     79 181 cm  79 kg
## 566           7   07/01/2016            2021     79 179 cm  74 kg
## 567           7   08/16/2011            2020     79 172 cm  63 kg
## 568          10   08/08/2013            2018     79 164 cm  57 kg
## 569           8   07/10/2015            2020     79 182 cm  70 kg
## 570          99   08/02/2016            2021     79 186 cm  78 kg
## 571          18   07/07/2014            2019     79 170 cm  67 kg
## 572          16   07/05/2016            2021     79 182 cm  76 kg
## 573          33   08/13/2015            2019     79 193 cm  89 kg
## 574          24   08/09/2016            2022     80 188 cm  75 kg
## 575           4   07/01/2016            2021     79 199 cm  98 kg
## 576          12   07/07/2015            2020     79 186 cm  83 kg
## 577          14   08/31/2015            2020     79 180 cm  71 kg
## 578          11   07/18/2016            2021     79 175 cm  80 kg
## 579           9   01/20/2017            2021     79 176 cm  78 kg
## 580          10   08/08/2016            2021     79 178 cm  72 kg
## 581          12   07/03/2016            2020     79 190 cm  88 kg
## 582          15   08/02/2014            2021     79 188 cm  90 kg
## 583          33   08/20/2014            2020     79 190 cm  83 kg
## 584          18   08/07/2016            2021     79 175 cm  68 kg
## 585          21   07/29/2016            2019     79 183 cm  77 kg
## 586          31   01/31/2014            2018     79 188 cm  80 kg
## 587           5   01/28/2015            2019     79 185 cm  72 kg
## 588           6   07/18/2015            2019     79 171 cm  64 kg
## 589           2   06/18/2015            2020     79 172 cm  67 kg
## 590          62   06/30/2016            2020     79 183 cm  78 kg
## 591          40   06/01/2010            2019     79 186 cm  78 kg
## 592          19   07/13/2016            2021     79 178 cm  74 kg
## 593          17   08/30/2016            2021     79 176 cm  71 kg
## 594           7   08/28/2015            2020     79 183 cm  77 kg
## 595           4   07/01/2010            2020     79 188 cm  78 kg
## 596           8   07/01/2016            2019     79 169 cm  67 kg
## 597          20   07/01/2015            2019     79 174 cm  65 kg
## 598          11   07/08/2014            2020     79 181 cm  76 kg
## 599          23   07/01/2015            2021     79 184 cm  78 kg
## 600          17   07/01/2016            2020     79 174 cm  70 kg
## 601          15   08/08/2011            2018     79 175 cm  70 kg
## 602           6   07/01/2016            2021     79 182 cm  83 kg
## 603          20   07/01/2016            2020     79 190 cm  81 kg
## 604          21   02/01/2016            2021     79 186 cm  77 kg
## 605          10   07/27/2016            2021     79 170 cm  69 kg
## 606          18   01/25/2017            2020     79 182 cm  79 kg
## 607           5   07/01/2016            2021     79 189 cm  88 kg
## 608          12   07/31/2016            2021     79 186 cm  89 kg
```

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## 609          10   01/29/2016            2020     79 182 cm  76 kg
## 610          20   07/01/2016            2020     79 172 cm  68 kg
## 611          99   01/20/2016            2020     79 192 cm  84 kg
## 612           9   08/16/2013            2019     79 177 cm  77 kg
## 613          11   07/01/2010            2021     79 171 cm  62 kg
## 614          21   07/19/2012            2018     79 178 cm  76 kg
## 615          18   07/03/2015            2019     79 176 cm  72 kg
## 616           3   08/31/2016            2021     79 188 cm  81 kg
## 617          24   07/01/2009            2018     79 190 cm  84 kg
## 618           6   01/01/2009            2021     79 180 cm  75 kg
## 619          33   08/28/2015            2019     79 186 cm  84 kg
## 620           1   07/01/2009            2019     79 189 cm  85 kg
## 621           4   08/26/2015            2021     79 179 cm  76 kg
## 622          10   07/19/2016            2020     79 182 cm  74 kg
## 623           5   08/11/2014            2019     79 187 cm  84 kg
## 624          16   01/31/2014            2018     79 179 cm  65 kg
## 625          24   07/01/2013            2019     79 177 cm  76 kg
## 626          20   08/09/2015            2019     79 172 cm  78 kg
## 627           6   08/24/2010            2017     79 179 cm  74 kg
## 628          22   08/01/2016            2020     79 190 cm  85 kg
## 629           6   08/23/2016            2021     79 186 cm  79 kg
## 630          10   07/01/2016            2020     79 170 cm  66 kg
## 631          12   07/01/2016            2021     79 184 cm  87 kg
## 632          10   07/06/2016            2021     79 187 cm  82 kg
## 633           3   06/29/2016            2020     79 180 cm  77 kg
## 634           1   08/20/2014            2018     79 192 cm  86 kg
## 635          88   01/31/2015            2019     79 179 cm  77 kg
## 636           7   01/01/2014            2019     79 178 cm  70 kg
## 637          22   07/01/2015            2020     79 196 cm  91 kg
## 638          33   07/01/2015            2019     79 185 cm  77 kg
## 639           4   01/23/2013            2020     79 182 cm  80 kg
## 640           3   09/10/2007            2018     79 179 cm  70 kg
## 641           3   07/21/2015            2018     79 177 cm  69 kg
## 642           7   07/02/2016            2019     79 177 cm  75 kg
## 643           6   06/27/2014            2019     79 183 cm  76 kg
## 644           5   07/01/2012            2018     79 181 cm  73 kg
## 645           1   07/01/2016            2019     79 192 cm  86 kg
## 646          17   08/31/2016            2021     79 187 cm  91 kg
## 647           2   07/15/2015            2018     79 173 cm  73 kg
## 648          12   07/23/2015            2020     79 186 cm  82 kg
## 649          19   08/31/2015            2018     79 179 cm  73 kg
## 650          44   08/01/2016            2017     79 180 cm  78 kg
## 651           1   07/09/2016            2019     79 185 cm  67 kg
## 652           8   01/03/2012            2018     79 172 cm  73 kg
## 653          19   07/01/2014            2018     79 183 cm  74 kg
## 654          99   07/01/2015            2018     79 189 cm  85 kg
## 655          10   07/07/2015            2018     79 188 cm  78 kg
## 656           9   07/08/2013            2019     79 184 cm  74 kg
## 657           3   01/01/2012            2018     79 187 cm  85 kg
## 658          13   07/27/2014            2019     79 183 cm  80 kg
## 659          10   08/12/2014            2017     79 180 cm  76 kg
## 660          23   07/03/2015            2018     79 184 cm  81 kg
## 661          14   07/31/2012            2018     78 178 cm  72 kg
## 662           5   08/11/2014            2018     79 187 cm  77 kg
```

```
## 663          22   06/25/2013            2021     79 193 cm  87 kg
## 664          20   07/27/2015            2018     79 192 cm  87 kg
## 665           4   06/27/2011            2018     79 183 cm  75 kg
## 666           4   07/01/2012            2018     79 186 cm  80 kg
## 667          17   08/31/2015            2019     79 180 cm  81 kg
## 668           8   01/10/2013            2023     79 178 cm  75 kg
## 669           8   04/11/2014            2018     78 180 cm  72 kg
## 670           6   08/29/2015            2019     79 189 cm  77 kg
## 671           5   07/01/2011            2020     79 185 cm  75 kg
## 672          21   07/06/2013            2019     79 181 cm  74 kg
## 673          26   01/01/2008            2020     79 183 cm  79 kg
## 674           6   07/01/2007            2018     79 188 cm  83 kg
## 675          25   01/07/2013            2017     79 173 cm  72 kg
## 676           9   08/05/2016            2018     79 195 cm  90 kg
## 677          18   07/01/2014            2018     79 184 cm  77 kg
## 678           2   07/17/2014            2017     79 177 cm  76 kg
## 679          14   07/27/2015            2017     79 180 cm  76 kg
## 680           8   01/29/2017            2017     79 178 cm  84 kg
## 681           4   07/01/2014            2019     79 176 cm  75 kg
## 682           6   01/31/2014            2020     79 195 cm  78 kg
## 683           2   08/03/2013            2018     79 185 cm  84 kg
## 684           4   01/10/2014            2018     79 188 cm  79 kg
## 685          28   09/15/2015            2018     79 185 cm  79 kg
## 686           4   08/02/2011            2017     79 180 cm  78 kg
## 687          10   01/15/2016            2018     79 170 cm  68 kg
## 688          22   07/04/2011            2017     79 176 cm  65 kg
## 689          25   08/31/2010            2017     79 186 cm  83 kg
## 690           4   01/01/2003            2017     79 193 cm  92 kg
## 691          24   01/01/2002            2017     79 189 cm  87 kg
## 692          27   08/15/2013            2017     79 176 cm  70 kg
## 693          19   01/25/2017            2018     79 177 cm  75 kg
## 694          15   07/01/2013            2017     79 170 cm  60 kg
## 695          10   10/01/2003            2018     79 186 cm  76 kg
## 696          18   08/13/2016            2019     79 182 cm  74 kg
## 697           1   07/01/2016            2021     79 182 cm  74 kg
## 698           9   01/04/2016            2019     79 174 cm  74 kg
## 699          13   08/01/2014            2017     79 185 cm  77 kg
## 700           2   07/01/2016            2018     79 189 cm  81 kg
## 701          99   02/17/2016            2020     79 188 cm  81 kg
## 702           1   01/01/2008            2017     79 194 cm  89 kg
## 703           7   07/01/2010            2017     79 171 cm  71 kg
## 704          17   01/01/2012            2017     79 176 cm  73 kg
## 705          16   02/10/2017            2021     79 185 cm  83 kg
## 706           1   07/04/2016            2020     79 191 cm  88 kg
## 707          13   01/22/2016            2020     78 194 cm  82 kg
## 708          19   07/01/2014            2020     78 187 cm  72 kg
## 709          99   01/01/2017            2020     78 177 cm  61 kg
## 710          33   08/03/2016            2021     78 175 cm  67 kg
## 711          18   07/01/2014            2022     78 181 cm  78 kg
## 712          10   07/01/2013            2021     78 185 cm  79 kg
## 713          29   01/23/2017            2021     78 187 cm  82 kg
## 714           6   08/18/2014            2019     78 186 cm  77 kg
## 715          17   07/19/2014            2018     78 172 cm  77 kg
## 716           4   08/01/2014            2019     78 182 cm  77 kg
```

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## 717          21   07/01/2016            2020     78 179 cm  80 kg
## 718           9   07/15/2016            2021     78 180 cm  70 kg
## 719          17   06/23/2015            2017     78 192 cm  90 kg
## 720          11   08/30/2014            2019     78 171 cm  75 kg
## 721           5   01/11/2016            2020     78 182 cm  75 kg
## 722           7   01/09/2015            2019     78 177 cm  71 kg
## 723          12   04/25/2013            2017     78 186 cm  84 kg
## 724          11   06/01/2011            2018     78 180 cm  70 kg
## 725          18   07/01/2014            2021     78 176 cm  68 kg
## 726          27   01/16/2015            2020     78 177 cm  73 kg
## 727           7   07/10/2015            2020     78 182 cm  70 kg
## 728           5   01/31/2016            2020     78 184 cm  77 kg
## 729          13   07/07/2015            2020     78 178 cm  67 kg
## 730           9   08/26/2013            2018     78 189 cm  88 kg
## 731          25   07/27/2016            2021     78 180 cm  75 kg
## 732           5   07/08/2014            2020     78 185 cm  74 kg
## 733          13   07/13/2016            2021     78 181 cm  71 kg
## 734          11   07/01/2016            2020     78 180 cm  75 kg
## 735          28   07/01/2014            2018     78 185 cm  80 kg
## 736          15   07/01/2014            2019     78 187 cm  82 kg
## 737          11   07/01/2012            2017     77 182 cm  65 kg
## 738           3   01/04/2016            2021     78 176 cm  71 kg
## 739          27   07/01/2015            2021     78 187 cm  92 kg
## 740           1   12/30/2014            2022     78 185 cm  89 kg
## 741           3   07/01/2011            2018     78 182 cm  73 kg
## 742           6   07/01/2012            2017     78 183 cm  85 kg
## 743          19   07/15/2013            2019     78 186 cm  74 kg
## 744           5   01/08/2015            2018     79 188 cm  82 kg
## 745          14   07/01/2010            2018     78 174 cm  65 kg
## 746          17   07/13/2015            2021     78 181 cm  78 kg
## 747          21   07/30/2015            2020     78 184 cm  75 kg
## 748          33   07/23/2014            2021     78 182 cm  76 kg
## 749          13   01/01/2016            2018     78 170 cm  66 kg
## 750           3   07/19/2016            2019     78 184 cm  79 kg
## 751           8   08/26/2015            2018     78 169 cm  63 kg
## 752           9   08/13/2015            2020     78 190 cm  76 kg
## 753           7   08/19/2011            2018     78 178 cm  72 kg
## 754          22   08/06/2014            2021     78 170 cm  63 kg
## 755          21   08/28/2012            2019     78 184 cm  75 kg
## 756           6   07/01/2016            2021     78 191 cm  76 kg
## 757           7   07/21/2014            2018     78 183 cm  70 kg
## 758          22   01/01/2011            2018     78 166 cm  61 kg
## 759          15   07/01/2016            2021     78 180 cm  73 kg
## 760          31   01/29/2016            2018     78 188 cm  84 kg
## 761           5   07/01/2015            2019     78 181 cm  81 kg
## 762           5   07/01/2013            2020     78 196 cm  85 kg
## 763           5   09/01/2014            2018     78 186 cm  76 kg
## 764           1   01/01/2017            2017     78 188 cm  85 kg
## 765          91   08/27/2014            2019     78 185 cm  76 kg
## 766          22   08/29/2016            2020     78 187 cm  80 kg
## 767          16   01/01/2012            2018     78 178 cm  65 kg
## 768           4   07/08/2014            2019     78 185 cm  86 kg
## 769          18   07/01/2016            2020     78 179 cm  75 kg
## 770           9   07/01/2016            2021     78 190 cm  86 kg
```

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## 771          9   07/11/2015            2020     78 185 cm  79 kg
## 772         15   07/20/2014            2018     78 185 cm  80 kg
## 773          4   07/15/2015            2020     78 169 cm  66 kg
## 774         20   08/13/2015            2020     78 171 cm  71 kg
## 775         26   07/21/2015            2021     78 184 cm  82 kg
## 776          7   06/12/2015            2020     78 184 cm  81 kg
## 777         23   08/29/2015            2020     78 187 cm  84 kg
## 778          4   07/01/2014            2019     78 185 cm  78 kg
## 779          8   01/01/2015            2019     78 177 cm  71 kg
## 780         29   07/19/2015            2018     78 178 cm  82 kg
## 781          8   06/11/2014            2017     78 168 cm  73 kg
## 782         10   01/16/2016            2020     78 188 cm  84 kg
## 783         10   08/11/2016            2021     78 191 cm  82 kg
## 784          9   07/12/2015            2019     78 181 cm  77 kg
## 785         17   07/03/2015            2020     78 180 cm  77 kg
## 786          6   01/01/2017            2021     78 182 cm  71 kg
## 787          6   07/13/2015            2020     78 185 cm  72 kg
## 788         23   07/01/2014            2019     78 183 cm  78 kg
## 789         28   01/21/2015            2019     78 197 cm  86 kg
## 790          4   07/18/2016            2019     78 167 cm  60 kg
## 791          2   08/31/2016            2020     78 189 cm  81 kg
## 792         22   07/01/2016            2020     78 194 cm  85 kg
## 793          3   07/01/2013            2019     78 186 cm  89 kg
## 794         26   08/04/2016            2019     78 192 cm  77 kg
## 795         17   08/11/2014            2019     78 176 cm  70 kg
## 796         12   02/01/2016            2018     78 176 cm  73 kg
## 797         22   01/14/2015            2019     78 184 cm  82 kg
## 798         30   09/01/2015            2020     79 180 cm  79 kg
## 799         16   07/02/2013            2018     78 185 cm  79 kg
## 800         15   07/01/2016            2020     78 183 cm  82 kg
## 801          8   08/18/2014            2017     77 180 cm  79 kg
## 802         10   08/01/2009            2019     78 169 cm  63 kg
## 803         14   06/01/2007            2017     78 179 cm  68 kg
## 804          1   09/02/2013            2017     78 194 cm  92 kg
## 805         14   08/15/2016            2021     78 185 cm  84 kg
## 806         13   01/01/2013            2018     78 182 cm  83 kg
## 807         19   07/01/2011            2020     78 183 cm  78 kg
## 808         21   07/20/2016            2020     78 182 cm  76 kg
## 809         10   01/31/2017            2021     78 185 cm  74 kg
## 810          8   07/01/2013            2019     78 182 cm  82 kg
## 811         25   07/03/2016            2020     78 185 cm  83 kg
## 812         18   07/01/2014            2018     78 185 cm  79 kg
## 813          1   01/15/2008            2020     78 187 cm  74 kg
## 814         20   07/24/2014            2020     78 169 cm  64 kg
## 815         10   01/03/2014            2017     78 182 cm  76 kg
## 816          5   06/30/2016            2020     78 192 cm  84 kg
## 817         10   01/01/2016            2019     78 168 cm  65 kg
## 818         71   07/01/2015            2019     78 182 cm  78 kg
## 819          4   07/26/2016            2021     78 168 cm  62 kg
## 820         24   06/27/2013            2019     78 193 cm  84 kg
## 821         16   08/31/2016            2020     78 176 cm  67 kg
## 822         14   07/01/2016            2019     78 194 cm  87 kg
## 823         19   07/06/2011            2019     78 163 cm  63 kg
## 824         13   07/05/2014            2017     78 191 cm  91 kg
```

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## 825          15   07/01/2013            2019     78 191 cm  85 kg
## 826           2   07/01/2008            2018     78 191 cm  83 kg
## 827          18   07/17/2015            2020     78 174 cm  60 kg
## 828          25   08/15/2013            2020     78 181 cm  88 kg
## 829           9   08/01/2010            2021     78 183 cm  90 kg
## 830           4   07/01/2016            2021     78 188 cm  83 kg
## 831          99   08/07/2016            2018     78 179 cm  72 kg
## 832           9   06/19/2013            2019     78 191 cm  79 kg
## 833          99   08/13/2013            2020     78 182 cm  72 kg
## 834          17   07/01/2014            2019     78 183 cm  76 kg
## 835          12   01/25/2017            2020     78 182 cm  71 kg
## 836           1   08/22/2007            2017     78 197 cm  78 kg
## 837           4   08/24/2012            2018     78 186 cm  75 kg
## 838          25   09/01/2014            2020     78 178 cm  81 kg
## 839          29   07/06/2015            2019     78 190 cm  87 kg
## 840           4   08/07/2015            2018     78 187 cm  85 kg
## 841          17   07/01/2013            2019     78 186 cm  78 kg
## 842          18   07/01/2013            2017     78 185 cm  73 kg
## 843          27   09/02/2013            2018     78 194 cm  85 kg
## 844           1   07/04/2014            2017     78 193 cm  93 kg
## 845           7   07/01/2014            2018     78 185 cm  74 kg
## 846          15   07/01/2011            2018     78 177 cm  69 kg
## 847           4   07/22/2016            2018     78 188 cm  86 kg
## 848          21   07/05/2016            2018     78 183 cm  73 kg
## 849          16   01/27/2012            2018     78 172 cm  69 kg
## 850          31   02/02/2015            2018     77 184 cm  79 kg
## 851          15   08/24/2012            2021     78 177 cm  85 kg
## 852          17   11/01/2008            2019     78 186 cm  78 kg
## 853           1   08/09/2014            2021     78 201 cm  93 kg
## 854          20   07/01/2012            2019     78 176 cm  75 kg
## 855          18   09/01/2014            2018     78 178 cm  64 kg
## 856           7   01/30/2016            2020     78 188 cm  80 kg
## 857          16   08/16/2016            2019     78 175 cm  72 kg
## 858          18   07/20/2016            2019     78 161 cm  57 kg
## 859          24   07/07/2007            2018     78 193 cm  84 kg
## 860          24   01/30/2015            2018     78 185 cm  69 kg
## 861           1   09/01/2014            2020     78 182 cm  78 kg
## 862          13   07/01/2011            2018     78 172 cm  68 kg
## 863          16   01/25/2013            2020     78 186 cm  86 kg
## 864          20   07/01/2009            2019     78 180 cm  73 kg
## 865           6   01/20/2015            2017     78 184 cm  75 kg
## 866           9   01/15/2016            2019     78 178 cm  75 kg
## 867          14   08/01/2016            2019     78 176 cm  77 kg
## 868           3   07/29/2016            2019     78 172 cm  75 kg
## 869           1   07/01/2013            2020     79 188 cm  86 kg
## 870           5   05/01/2006            2017     78 184 cm  77 kg
## 871           8   09/01/2014            2019     78 179 cm  78 kg
## 872          21   08/14/2014            2019     78 186 cm  82 kg
## 873          19   07/02/2015            2019     78 188 cm  83 kg
## 874          18   07/01/2012            2019     78 181 cm  76 kg
## 875          27   07/01/2016            2019     78 180 cm  79 kg
## 876          14   07/04/2016            2019     78 174 cm  76 kg
## 877          99   02/17/2016            2022     78 173 cm  75 kg
## 878          20   07/01/2010            2019     78 189 cm  81 kg
```

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## 879          23   01/26/2015            2018     78 184 cm  70 kg
## 880          15   08/11/2014            2019     78 183 cm  80 kg
## 881           8   07/01/2012            2017     78 175 cm  70 kg
## 882           3   09/01/2014            2019     78 175 cm  74 kg
## 883          18   07/01/2011            2018     78 175 cm  65 kg
## 884          16   08/01/2004            2020     78 180 cm  76 kg
## 885          12   09/01/2015            2018     78 165 cm  63 kg
## 886          13   07/23/2014            2018     78 178 cm  70 kg
## 887           1   01/01/2008            2017     78 192 cm  92 kg
## 888           9   08/17/2015            2018     78 180 cm  74 kg
## 889          17   07/01/2011            2018     78 181 cm  82 kg
## 890          77   07/01/2016            2020     78 175 cm  75 kg
## 891          23   08/17/2016            2018     78 179 cm  71 kg
## 892          17   07/20/2016            2019     78 187 cm  85 kg
## 893          13   07/08/2014            2017     78 186 cm  80 kg
## 894          99   08/31/2016            2018     78 171 cm  72 kg
## 895           6   07/01/2015            2018     78 191 cm  88 kg
## 896           1   05/24/2014            2018     78 191 cm  91 kg
## 897           3   01/17/2017            2017     78 184 cm  78 kg
## 898           8   07/01/2011            2019     78 182 cm  74 kg
## 899          14   07/01/2004            2018     78 196 cm  96 kg
## 900           4   01/01/2004            2017     78 187 cm  84 kg
## 901           9   07/01/2016            2018     78 176 cm  79 kg
## 902          34   08/31/2016            2018     78 174 cm  72 kg
## 903          27   01/23/2017            2017     78 190 cm  90 kg
## 904          17   09/01/2015            2018     78 179 cm  75 kg
## 905          14   09/07/2015            2017     78 184 cm  84 kg
## 906          44   07/12/2015            2023     78 197 cm  88 kg
## 907           5   08/19/2014            2017     78 185 cm  80 kg
## 908          29   12/02/2015            2019     77 178 cm  68 kg
## 909          40   11/28/2015            2020     77 193 cm  82 kg
## 910          35   07/01/2016            2021     77 176 cm  70 kg
## 911          11   02/01/2010            2020     77 178 cm  72 kg
## 912           6   02/01/2010            2017     77 187 cm  85 kg
## 913           2   02/01/2015            2020     77 176 cm  75 kg
## 914          10   01/01/2015            2020     77 188 cm  83 kg
## 915           9   01/01/2015            2020     77 174 cm  71 kg
## 916           2   01/01/2015            2020     77 177 cm  75 kg
## 917           5   01/01/2015            2020     77 168 cm  65 kg
## 918           5   08/22/2016            2020     77 186 cm  73 kg
## 919           1   01/01/2005            2017     77 190 cm  85 kg
## 920           3   07/01/2016            2021     77 187 cm  80 kg
## 921          29   07/13/2016            2021     77 181 cm  70 kg
## 922           6   07/01/2015            2020     77 186 cm  77 kg
## 923          27   07/01/2014            2022     77 183 cm  78 kg
## 924           9   07/18/2016            2020     77 183 cm  88 kg
## 925          31   11/15/2014            2019     77 178 cm  67 kg
## 926           6   11/28/2014            2018     77 183 cm  71 kg
## 927          25   01/11/2013            2023     77 187 cm  86 kg
## 928          18   08/01/2014            2018     77 180 cm  72 kg
## 929          26   08/23/2014            2018     77 168 cm  58 kg
## 930           5   07/31/2015            2021     77 183 cm  74 kg
## 931          19   07/01/2015            2019     77 171 cm  71 kg
## 932          22   01/04/2016            2021     77 166 cm  67 kg
```

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## 933          25   01/31/2016            2020     78 171 cm  71 kg
## 934           2   01/01/2014            2020     77 184 cm  80 kg
## 935          10   09/22/2014            2017     78 176 cm  65 kg
## 936           8   01/01/2014            2023     77 174 cm  63 kg
## 937          30   11/30/2013            2018     77 181 cm  84 kg
## 938          10   08/02/2015            2018     77 180 cm  76 kg
## 939          21   01/09/2016            2019     77 178 cm  75 kg
## 940           5   07/28/2016            2021     77 187 cm  79 kg
## 941           8   01/19/2013            2021     77 187 cm  81 kg
## 942          14   08/31/2016            2021     77 175 cm  73 kg
## 943          19   07/07/2016            2019     77 175 cm  71 kg
## 944           2   07/01/2015            2019     77 188 cm  77 kg
## 945          15   08/17/2016            2020     77 180 cm  77 kg
## 946          13   07/28/2016            2021     77 191 cm  85 kg
## 947          31   05/22/2013            2020     78 177 cm  75 kg
## 948          20   07/21/2016            2020     77 170 cm  61 kg
## 949           1   07/01/2013            2019     77 187 cm  82 kg
## 950          27   07/01/2013            2020     77 183 cm  81 kg
## 951           4   01/22/2015            2018     77 178 cm  74 kg
## 952           8   12/30/2014            2019     77 179 cm  71 kg
## 953           9   07/01/2016            2019     77 178 cm  75 kg
## 954          30   07/01/2016            2022     77 183 cm  83 kg
## 955           4   09/09/2015            2020     77 179 cm  75 kg
## 956           3   01/04/2017            2020     77 183 cm  73 kg
## 957          34   07/01/2010            2019     77 189 cm  89 kg
## 958          16   07/20/2016            2020     77 183 cm  81 kg
## 959          20   07/01/2016            2019     77 178 cm  83 kg
## 960          20   07/22/2016            2018     77 186 cm  79 kg
## 961          99   07/01/2016            2020     77 183 cm  75 kg
## 962           9   01/01/2013            2018     77 176 cm  71 kg
## 963          35   01/14/2016            2020     77 180 cm  70 kg
## 964          18   04/29/2016            2020     77 184 cm  85 kg
## 965          94   07/08/2014            2019     77 191 cm  80 kg
## 966          10   07/01/2013            2021     77 179 cm  75 kg
## 967           5   07/01/2013            2021     77 188 cm  77 kg
## 968          13   07/13/2016            2021     77 185 cm  80 kg
## 969           3   02/10/2015            2019     77 172 cm  67 kg
## 970          32   08/31/2014            2018     77 165 cm  65 kg
## 971          11   01/13/2015            2019     77 170 cm  65 kg
## 972           7   06/18/2014            2018     75 180 cm  70 kg
## 973          10   07/13/2013            2021     77 169 cm  64 kg
## 974          19   07/01/2012            2019     77 175 cm  70 kg
## 975          25   09/01/2014            2021     77 172 cm  71 kg
## 976          11   07/29/2015            2018     77 174 cm  69 kg
## 977          15   08/31/2015            2020     77 185 cm  85 kg
## 978          16   08/12/2016            2019     77 180 cm  67 kg
## 979           1   08/07/2015            2020     77 186 cm  81 kg
## 980          11   08/13/2014            2018     77 180 cm  76 kg
## 981          14   08/16/2015            2020     77 179 cm  70 kg
## 982           7   08/22/2014            2019     77 189 cm  80 kg
## 983           8   07/01/2016            2019     77 184 cm  80 kg
## 984           7   08/14/2015            2020     77 180 cm  75 kg
## 985          37   07/01/2012            2019     77 183 cm  72 kg
## 986           5   07/01/2016            2020     77 188 cm  77 kg
```

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## 987          3   07/01/2015          2020     77 178 cm  72 kg
## 988          5   07/01/2014          2019     77 180 cm  75 kg
## 989         10   12/01/2011          2019     77 178 cm  72 kg
## 990         23   07/01/2015          2020     77 176 cm  67 kg
## 991          3   07/01/2015          2021     77 189 cm  87 kg
## 992         29   08/31/2016          2020     77 173 cm  73 kg
## 993         15   08/01/2011          2018     77 170 cm  75 kg
## 994         32   01/03/2017          2021     77 188 cm  78 kg
## 995         24   07/16/2016          2019     77 190 cm  78 kg
## 996         22   07/01/2015          2019     77 190 cm  88 kg
## 997         19   06/29/2015          2018     77 180 cm  80 kg
## 998         24   01/24/2017          2020     77 182 cm  74 kg
## 999         46   07/01/2012          2019     77 182 cm  74 kg
## 1000        23   06/22/2016          2021     77 185 cm  85 kg
## 1001         4   07/01/2015          2019     77 186 cm  82 kg
## 1002         7   10/01/2011          2020     77 182 cm  68 kg
## 1003        13   02/01/2013          2019     77 187 cm  71 kg
## 1004        26   08/27/2016          2020     77 183 cm  80 kg
## 1005         1   06/18/2014          2021     77 188 cm  85 kg
## 1006         9   07/07/2015          2019     77 185 cm  84 kg
## 1007         3   07/01/2015          2019     78 182 cm  81 kg
## 1008        10   04/01/2011          2018     77 175 cm  76 kg
## 1009         4   07/01/2010          2018     77 188 cm  70 kg
## 1010        21   07/14/2015          2021     77 171 cm  63 kg
## 1011        12   08/31/2016          2020     77 180 cm  68 kg
## 1012        27   07/01/2014          2021     77 181 cm  82 kg
## 1013         3   08/28/2016          2020     77 188 cm  84 kg
## 1014        14   01/01/2011          2018     77 183 cm  74 kg
## 1015        13   01/01/2013          2017     77 181 cm  73 kg
## 1016         7   07/08/2016          2020     76 176 cm  65 kg
## 1017        14   07/31/2015          2020     77 176 cm  66 kg
## 1018        15   08/26/2016          2020     77 183 cm  81 kg
## 1019        12   07/03/2014          2019     77 195 cm  88 kg
## 1020        11   07/07/2016          2020     77 180 cm  68 kg
## 1021        23   07/01/2016          2021     77 184 cm  78 kg
## 1022        31   02/14/2013          2017     77 177 cm  78 kg
## 1023        12   08/10/2016          2021     77 182 cm  77 kg
## 1024        28   01/25/2016          2019     77 190 cm  86 kg
## 1025        33   01/25/2017          2019     77 185 cm  76 kg
## 1026        19   07/02/2015          2018     77 185 cm  70 kg
## 1027         9   01/13/2014          2019     77 180 cm  76 kg
## 1028        24   08/15/2016          2020     77 179 cm  72 kg
## 1029        28   07/05/2013          2019     77 186 cm  82 kg
## 1030         7   08/31/2015          2018     77 179 cm  76 kg
## 1031        25   09/01/2015          2020     77 186 cm  80 kg
## 1032        18   08/24/2016          2021     77 181 cm  78 kg
## 1033        20   07/02/2014          2019     77 185 cm  77 kg
## 1034        26   07/16/2016          2020     77 168 cm  75 kg
## 1035         6   07/01/2010          2019     77 182 cm  72 kg
## 1036        19   07/16/2014          2019     77 169 cm  62 kg
## 1037         9   01/21/2015          2019     77 178 cm  79 kg
## 1038         9   08/24/2014          2018     77 184 cm  82 kg
## 1039        24   07/03/2016          2020     77 168 cm  68 kg
## 1040        18   08/31/2016          2021     77 183 cm  74 kg
```

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## 1041        19   09/04/2012          2018     77 189 cm  93 kg
## 1042        16   07/01/2010          2020     77 192 cm  88 kg
## 1043        19   12/03/2014          2019     77 181 cm  77 kg
## 1044        17   08/26/2016          2020     77 180 cm  82 kg
## 1045         2   07/01/2013          2019     77 185 cm  83 kg
## 1046        28   08/25/2014          2018     77 177 cm  77 kg
## 1047         5   08/08/2016          2020     77 193 cm  82 kg
## 1048        10   07/30/2015          2018     77 165 cm  61 kg
## 1049        28   07/01/2015          2020     77 178 cm  73 kg
## 1050        16   07/01/2009          2019     77 180 cm  76 kg
## 1051        10   07/01/2016          2021     77 181 cm  77 kg
## 1052        21   07/29/2016          2020     77 174 cm  72 kg
## 1053        20   07/01/2015          2019     77 174 cm  70 kg
## 1054         7   07/01/2013          2018     77 177 cm  67 kg
## 1055         6   01/01/2014          2017     77 194 cm  86 kg
## 1056         5   06/16/2014          2017     77 185 cm  80 kg
## 1057        20   07/01/2015          2020     77 186 cm  81 kg
## 1058        10   08/20/2015          2020     77 178 cm  72 kg
## 1059        37   08/01/2010          2020     77 185 cm  81 kg
## 1060         2   11/19/2015          2019     77 187 cm  76 kg
## 1061        25   07/01/2011          2019     77 190 cm  86 kg
## 1062        30   01/20/2016          2019     77 203 cm  96 kg
## 1063        21   07/01/2014          2020     77 181 cm  76 kg
## 1064         2   07/01/2015          2018     77 180 cm  77 kg
## 1065        91   07/02/2015          2019     77 179 cm  75 kg
## 1066        23   07/01/2013          2018     77 189 cm  74 kg
## 1067         2   06/27/2014          2018     77 176 cm  69 kg
## 1068        28   01/03/2017          2020     77 175 cm  75 kg
## 1069        18   01/27/2015          2019     77 180 cm  77 kg
## 1070        27   01/07/2016          2017     77 195 cm  90 kg
## 1071        10   02/02/2017          2021     77 168 cm  64 kg
## 1072        21   08/09/2015          2019     77 178 cm  70 kg
## 1073         9   07/12/2014          2020     77 189 cm  86 kg
## 1074        19   07/03/2016          2020     77 188 cm  81 kg
## 1075         8   07/01/2015          2020     77 175 cm  67 kg
## 1076         4   01/01/2012          2021     77 174 cm  72 kg
## 1077        21   07/01/2016          2020     77 193 cm  82 kg
## 1078         6   07/07/2015          2019     77 188 cm  80 kg
## 1079         6   07/01/2012          2018     77 185 cm  87 kg
## 1080         7   07/01/2013          2022     77 183 cm  75 kg
## 1081        12   01/12/2016          2021     77 184 cm  83 kg
## 1082        10   07/18/2013          2019     77 170 cm  62 kg
## 1083         7   08/18/2014          2020     77 178 cm  80 kg
## 1084        18   08/31/2016          2019     77 185 cm  71 kg
## 1085        14   07/01/2015          2019     77 183 cm  80 kg
## 1086        75   07/01/2012          2017     77 185 cm  80 kg
## 1087         7   07/13/2013          2020     77 169 cm  67 kg
## 1088        22   08/24/2016          2020     77 185 cm  80 kg
## 1089         8   09/24/2014          2018     77 176 cm  72 kg
## 1090         2   07/01/2014          2017     77 179 cm  72 kg
## 1091         7   03/01/2010          2017     77 183 cm  73 kg
## 1092        14   09/06/2012          2020     77 180 cm  75 kg
## 1093         3   08/10/2016          2019     77 176 cm  75 kg
## 1094        17   07/01/2011          2020     77 177 cm  73 kg
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## 1095        43   07/01/2016            2021     77 182 cm  80 kg
## 1096        15   07/25/2011            2018     77 180 cm  75 kg
## 1097         8   06/18/2014            2018     77 193 cm  78 kg
## 1098        20   08/01/2012            2018     77 191 cm  84 kg
## 1099         8   07/17/2013            2019     77 187 cm  80 kg
## 1100        26   07/01/2015            2018     77 192 cm  84 kg
## 1101         8   07/05/2016            2019     77 188 cm  79 kg
## 1102        16   06/19/2015            2020     77 178 cm  72 kg
## 1103        13   08/16/2016            2018     77 187 cm  82 kg
## 1104        12   08/05/2015            2017     77 180 cm  74 kg
## 1105         9   06/07/2015            2020     77 185 cm  87 kg
## 1106        24   07/12/2016            2020     77 179 cm  76 kg
## 1107        27   08/06/2014            2018     77 173 cm  66 kg
## 1108        25   01/31/2017            2018     77 175 cm  66 kg
## 1109        19   07/01/2012            2020     77 177 cm  77 kg
## 1110        21   07/19/2013            2017     77 184 cm  86 kg
## 1111        11   01/12/2016            2020     77 175 cm  73 kg
## 1112        14   07/01/2014            2018     77 179 cm  72 kg
## 1113        10   08/08/2015            2020     77 175 cm  69 kg
## 1114        18   07/09/2014            2019     77 174 cm  70 kg
## 1115         6   08/15/2014            2018     77 182 cm  82 kg
## 1116        25   07/02/2015            2018     77 185 cm  81 kg
## 1117        34   08/05/2016            2018     77 182 cm  81 kg
## 1118        22   07/09/2014            2017     77 177 cm  74 kg
## 1119         2   08/14/2015            2020     77 184 cm  77 kg
## 1120        20   07/01/2014            2018     77 180 cm  72 kg
## 1121        30   07/01/2013            2019     77 191 cm  90 kg
## 1122        77   07/01/2016            2019     77 182 cm  78 kg
## 1123         5   07/27/2015            2021     77 184 cm  77 kg
## 1124        33   08/29/2016            2021     77 186 cm  90 kg
## 1125        17   01/31/2017            2020     77 180 cm  78 kg
## 1126         5   07/01/2015            2020     77 196 cm  97 kg
## 1127         1   08/20/2014            2018     77 175 cm  70 kg
## 1128        10   08/16/2016            2019     77 183 cm  80 kg
## 1129         8   08/05/2016            2018     77 183 cm  79 kg
## 1130        10   07/15/2014            2019     77 183 cm  84 kg
## 1131        16   08/05/2011            2020     77 178 cm  68 kg
## 1132        21   07/25/2016            2019     77 194 cm  88 kg
## 1133        12   06/02/2009            2020     77 167 cm  62 kg
## 1134        10   07/18/2013            2017     77 180 cm  79 kg
## 1135         2   07/01/2013            2017     77 187 cm  81 kg
## 1136        13   07/12/2015            2017     77 182 cm  74 kg
## 1137        56   07/01/2011            2017     77 175 cm  76 kg
## 1138        11   08/06/2015            2018     77 179 cm  77 kg
## 1139         2   07/01/2010            2019     77 185 cm  86 kg
## 1140        88   07/01/2016            2019     77 181 cm  76 kg
## 1141        15   07/05/2011            2017     77 179 cm  71 kg
## 1142         9   06/10/2012            2019     77 185 cm  80 kg
## 1143         6   08/01/2009            2021     77 178 cm  76 kg
## 1144        24   01/30/2017            2018     77 180 cm  80 kg
## 1145         7   08/14/2014            2020     77 178 cm  70 kg
## 1146         1   06/22/2012            2018     77 189 cm  81 kg
## 1147         4   12/07/2015            2018     77 189 cm  88 kg
## 1148        90   08/20/2013            2019     77 180 cm  84 kg
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## 1149        25   07/12/2016            2020     77 190 cm  83 kg
## 1150        18   06/08/2016            2017     77 179 cm  74 kg
## 1151         5   07/30/2013            2020     77 178 cm  70 kg
## 1152        32   07/01/2004            2019     77 181 cm  81 kg
## 1153         8   01/25/2013            2018     77 183 cm  78 kg
## 1154        77   07/01/2014            2018     77 189 cm  78 kg
## 1155         9   06/30/2015            2017     77 177 cm  75 kg
## 1156         1   08/01/2009            2018     77 179 cm  75 kg
## 1157         6   06/25/2013            2018     77 188 cm  89 kg
## 1158         4   08/19/2016            2019     77 191 cm  87 kg
## 1159        24   07/01/2012            2018     77 187 cm  82 kg
## 1160         6   01/01/2008            2018     77 180 cm  80 kg
## 1161        27   01/01/2016            2018     77 186 cm  79 kg
## 1162         5   07/01/2014            2017     76 191 cm  87 kg
## 1163        17   07/01/2013            2022     77 185 cm  75 kg
## 1164        11   07/11/2015            2018     77 185 cm  78 kg
## 1165         9   05/01/2005            2020     77 187 cm  77 kg
## 1166         7   08/01/2016            2019     77 181 cm  78 kg
## 1167        80   08/31/2016            2018     77 183 cm  80 kg
## 1168         8   08/01/2016            2022     77 185 cm  74 kg
## 1169         1   07/01/2009            2022     77 188 cm  82 kg
## 1170         1   06/18/2013            2018     77 180 cm  85 kg
## 1171        11   01/27/2017            2020     77 182 cm  77 kg
## 1172        81   01/31/2016            2018     77 180 cm  75 kg
## 1173        20   01/25/2017            2019     77 176 cm  76 kg
## 1174         8   07/06/2012            2019     77 173 cm  72 kg
## 1175         4   07/01/2005            2017     77 181 cm  79 kg
## 1176         2   07/01/2010            2018     77 178 cm  74 kg
## 1177        99   07/13/2016            2019     77 189 cm  83 kg
## 1178         6   07/01/2001            2017     77 190 cm  87 kg
## 1179         4   08/16/2015            2017     77 188 cm  82 kg
## 1180         5   07/01/2003            2017     77 184 cm  82 kg
## 1181         1   08/06/2002            2017     77 191 cm  90 kg
## 1182        10   07/17/2013            2018     77 182 cm  79 kg
## 1183         1   08/19/2016            2018     77 187 cm  85 kg
## 1184         7   01/01/2011            2018     77 167 cm  65 kg
## 1185        28   07/01/2015            2019     77 186 cm  80 kg
## 1186         8   01/23/2014            2017     77 182 cm  81 kg
## 1187        19   08/07/2015            2017     77 177 cm  78 kg
## 1188         8   07/13/2015            2017     77 182 cm  70 kg
## 1189        11   07/01/2006            2018     77 191 cm  80 kg
## 1190         5   01/01/2012            2019     77 185 cm  93 kg
## 1191        23   08/03/2015            2017     77 183 cm  80 kg
## 1192        21   08/27/2014            2018     77 188 cm  76 kg
## 1193         1   08/01/2007            2017     77 191 cm  89 kg
## 1194        20   01/01/2014            2017     77 175 cm  74 kg
## 1195        37   01/26/2016            2022     77 191 cm  90 kg
## 1196        26   01/31/2017            2018     77 191 cm  82 kg
## 1197        85   01/16/2017            2019     77 178 cm  70 kg
## 1198         1   07/01/2016            2020     77 186 cm  77 kg
## 1199        23   08/31/2015            2017     77 183 cm  74 kg
## 1200         1   06/14/2014            2018     77 185 cm  78 kg
## 1201        16   07/13/2016            2017     77 190 cm  82 kg
## 1202        19   07/24/2014            2017     77 175 cm  75 kg
```

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## 1203          1   07/01/2002            2017     77 190 cm  87 kg
## 1204          5   07/08/2015            2017     77 170 cm  72 kg
## 1205         30   08/30/2016            2017     76 180 cm  73 kg
## 1206          5   11/21/2015            2020     76 194 cm  92 kg
## 1207         42   08/29/2016            2021     76 184 cm  74 kg
## 1208          8   02/01/2015            2020     76 177 cm  75 kg
## 1209          6   02/01/2015            2020     76 176 cm  76 kg
## 1210          3   02/01/2015            2020     76 189 cm  84 kg
## 1211          5   02/01/2015            2020     76 178 cm  69 kg
## 1212          1   02/01/2009            2020     76 190 cm  88 kg
## 1213          1   02/01/2015            2020     76 192 cm  90 kg
## 1214          1   02/03/2016            2020     76 186 cm  80 kg
## 1215          6   01/01/2012            2018     76 175 cm  70 kg
## 1216          6   01/01/2015            2020     76 177 cm  75 kg
## 1217          3   01/01/2012            2018     76 188 cm  78 kg
## 1218          3   01/01/2015            2020     76 181 cm  82 kg
## 1219          4   01/01/2015            2018     76 182 cm  79 kg
## 1220          9   01/31/2017            2022     76 181 cm  70 kg
## 1221         20   07/21/2016            2021     76 186 cm  85 kg
## 1222         66   07/01/2015            2021     76 190 cm  82 kg
## 1223         23   08/18/2016            2021     76 178 cm  73 kg
## 1224         21   01/25/2016            2020     76 186 cm  83 kg
## 1225         56   07/01/2014            2021     76 164 cm  62 kg
## 1226         24   01/14/2015            2018     76 190 cm  82 kg
## 1227         15   12/04/2014            2020     76 182 cm  72 kg
## 1228         72   07/01/2014            2021     76 187 cm  77 kg
## 1229         18   02/01/2010            2023     76 194 cm  88 kg
## 1230         19   07/06/2016            2021     76 178 cm  70 kg
## 1231         15   01/25/2017            2021     76 179 cm  68 kg
## 1232          5   07/01/2014            2019     76 183 cm  74 kg
## 1233          8   08/13/2015            2020     76 179 cm  70 kg
## 1234          4   01/11/2013            2018     76 183 cm  80 kg
## 1235          3   01/13/2017            2021     76 184 cm  77 kg
## 1236         36   07/01/2016            2021     76 185 cm  84 kg
## 1237         35   09/02/2013            2020     76 184 cm  76 kg
## 1238         15   01/01/2013            2023     76 176 cm  70 kg
## 1239         19   08/18/2013            2020     76 183 cm  75 kg
## 1240         17   07/05/2016            2021     76 170 cm  66 kg
## 1241         10   01/08/2017            2020     76 176 cm  73 kg
## 1242         19   07/29/2014            2019     76 174 cm  74 kg
## 1243         19   08/12/2013            2018     76 173 cm  70 kg
## 1244          3   06/30/2016            2021     76 185 cm  79 kg
## 1245          4   07/02/2013            2017     76 173 cm  63 kg
## 1246          8   07/01/2012            2019     76 183 cm  76 kg
## 1247         28   01/29/2016            2023     76 175 cm  70 kg
## 1248         15   08/05/2016            2021     76 185 cm  85 kg
## 1249         24   07/01/2014            2018     76 177 cm  68 kg
## 1250         42   01/23/2013            2020     76 175 cm  70 kg
## 1251         15   07/01/2012            2020     76 173 cm  67 kg
## 1252         26   04/05/2014            2019     76 183 cm  76 kg
## 1253         10   07/01/2013            2021     76 171 cm  65 kg
## 1254         16   06/30/2016            2019     76 171 cm  65 kg
## 1255          2   07/01/2012            2018     76 180 cm  77 kg
## 1256          7   07/01/2012            2018     76 173 cm  70 kg
```

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## 1257          5   07/14/2014            2019     76 183 cm  78 kg
## 1258          1   01/15/2015            2018     76 184 cm  78 kg
## 1259         20   07/01/2013            2020     76 174 cm  64 kg
## 1260         20   07/27/2015            2019     76 187 cm  78 kg
## 1261          3   01/01/2016            2019     76 183 cm  80 kg
## 1262         24   01/22/2016            2019     76 178 cm  74 kg
## 1263         22   06/07/2016            2017     76 168 cm  73 kg
## 1264         31   01/22/2017            2017     76 168 cm  65 kg
## 1265          9   06/08/2016            2017     76 175 cm  86 kg
## 1266         24   05/30/2014            2022     76 184 cm  89 kg
## 1267         14   08/26/2016            2022     76 176 cm  70 kg
## 1268         13   07/28/2016            2022     76 178 cm  79 kg
## 1269         18   01/24/2016            2019     76 172 cm  72 kg
## 1270         23   07/14/2016            2020     76 181 cm  84 kg
## 1271         21   07/12/2014            2019     76 173 cm  61 kg
## 1272         93   06/30/2016            2018     76 178 cm  66 kg
## 1273          4   08/27/2015            2020     76 193 cm  83 kg
## 1274          8   08/25/2016            2021     76 184 cm  80 kg
## 1275          5   08/24/2015            2022     76 190 cm  81 kg
## 1276         30   01/01/2017            2022     76 179 cm  74 kg
## 1277         96   09/01/2016            2021     76 178 cm  68 kg
## 1278          6   01/26/2016            2019     76 186 cm  81 kg
## 1279         17   08/28/2015            2020     76 174 cm  68 kg
## 1280         22   07/04/2015            2021     76 177 cm  71 kg
## 1281         32   03/01/2012            2021     77 188 cm  83 kg
## 1282         20   07/11/2016            2020     76 176 cm  68 kg
## 1283         12   01/25/2016            2020     76 192 cm  85 kg
## 1284         13   07/01/2016            2021     76 184 cm  81 kg
## 1285         45   07/01/2013            2021     76 174 cm  66 kg
## 1286         21   07/01/2015            2019     76 183 cm  75 kg
## 1287         50   07/15/2014            2019     76 175 cm  66 kg
## 1288         32   07/01/2015            2018     76 180 cm  76 kg
## 1289         27   08/31/2015            2019     76 188 cm  83 kg
## 1290         11   12/21/2015            2018     76 171 cm  71 kg
## 1291          9   07/01/2016            2021     76 178 cm  69 kg
## 1292         21   07/01/2013            2018     76 180 cm  72 kg
## 1293         18   07/30/2015            2020     76 182 cm  82 kg
## 1294         24   07/01/2015            2019     76 190 cm  76 kg
## 1295          4   07/01/2012            2020     76 194 cm  83 kg
## 1296         15   07/22/2015            2017     76 180 cm  76 kg
## 1297         33   04/17/2011            2019     76 176 cm  63 kg
## 1298         21   04/06/2013            2020     76 173 cm  73 kg
## 1299         23   01/01/2016            2020     76 174 cm  70 kg
## 1300          9   08/26/2015            2020     76 191 cm  85 kg
## 1301          5   07/01/2015            2019     76 186 cm  84 kg
## 1302         22   07/01/2012            2022     76 185 cm  73 kg
## 1303         20   06/05/2014            2022     76 169 cm  63 kg
## 1304         20   07/18/2014            2019     76 178 cm  78 kg
## 1305         39   07/06/2016            2019     76 181 cm  74 kg
## 1306          6   06/14/2016            2020     76 196 cm  88 kg
## 1307          5   06/24/2014            2018     76 185 cm  80 kg
## 1308         32   06/30/2016            2019     76 178 cm  78 kg
## 1309         14   07/04/2016            2020     76 185 cm  76 kg
## 1310         44   10/19/2013            2018     76 182 cm  75 kg
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## 1311        27   08/30/2016            2020     76 190 cm  76 kg
## 1312        16   02/02/2016            2020     76 183 cm  75 kg
## 1313        92   07/01/2014            2019     76 187 cm  76 kg
## 1314         9   01/01/2014            2019     76 181 cm  73 kg
## 1315        11   01/30/2017            2020     76 179 cm  71 kg
## 1316         9   07/01/2011            2019     76 179 cm  74 kg
## 1317         9   08/31/2015            2019     76 179 cm  71 kg
## 1318        47   01/04/2017            2018     76 172 cm  66 kg
## 1319        12   06/01/2011            2020     76 172 cm  70 kg
## 1320         2   07/01/2011            2017     76 183 cm  74 kg
## 1321        11   07/16/2015            2018     76 168 cm  70 kg
## 1322        17   08/29/2014            2018     76 172 cm  69 kg
## 1323        24   01/05/2015            2020     76 185 cm  82 kg
## 1324        11   07/02/2015            2020     76 187 cm  84 kg
## 1325        16   06/01/2011            2021     76 173 cm  66 kg
## 1326        18   08/16/2014            2019     76 171 cm  65 kg
## 1327         5   07/08/2015            2020     75 191 cm  86 kg
## 1328        19   07/01/2015            2018     76 178 cm  72 kg
## 1329        13   05/21/2014            2020     76 185 cm  77 kg
## 1330         7   07/01/2014            2021     76 177 cm  74 kg
## 1331         9   07/20/2015            2020     76 187 cm  75 kg
## 1332        33   02/23/2013            2019     76 170 cm  63 kg
## 1333        11   01/04/2016            2019     76 188 cm  84 kg
## 1334        29   07/01/2011            2018     76 183 cm  74 kg
## 1335        27   07/01/2011            2018     76 177 cm  70 kg
## 1336         9   01/20/2017            2022     76 180 cm  83 kg
## 1337         4   07/13/2013            2019     76 176 cm  68 kg
## 1338        21   01/20/2017            2020     76 171 cm  70 kg
## 1339        30   07/05/2014            2020     76 185 cm  85 kg
## 1340        35   10/24/2013            2019     76 173 cm  66 kg
## 1341        27   07/04/2016            2019     75 191 cm  83 kg
## 1342        11   01/07/2016            2021     76 172 cm  69 kg
## 1343         6   07/06/2016            2020     76 170 cm  64 kg
## 1344        24   07/06/2016            2020     76 178 cm  70 kg
## 1345        31   07/01/2011            2017     76 190 cm  77 kg
## 1346        11   07/01/2016            2020     76 173 cm  68 kg
## 1347        22   07/01/2015            2020     76 178 cm  69 kg
## 1348         6   07/19/2016            2018     76 174 cm  70 kg
## 1349        30   07/03/2015            2020     76 183 cm  76 kg
## 1350        22   07/01/2014            2020     76 186 cm  81 kg
## 1351         6   01/09/2016            2020     76 187 cm  75 kg
## 1352        12   07/09/2015            2019     76 183 cm  77 kg
## 1353        36   08/31/2016            2018     76 185 cm  86 kg
## 1354        12   01/31/2017            2020     76 175 cm  69 kg
## 1355         4   07/01/2014            2020     76 185 cm  85 kg
## 1356        23   01/01/2017            2021     76 180 cm  80 kg
## 1357         7   06/22/2015            2020     76 188 cm  76 kg
## 1358        16   06/30/2016            2020     76 179 cm  73 kg
## 1359        23   07/11/2015            2019     76 182 cm  79 kg
## 1360        21   07/28/2014            2021     76 177 cm  78 kg
## 1361         7   07/01/2016            2020     76 178 cm  73 kg
## 1362        19   07/27/2015            2019     76 182 cm  70 kg
## 1363        29   07/01/2011            2018     76 178 cm  68 kg
## 1364        20   07/01/2015            2020     76 194 cm  80 kg
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## 1365        14   07/01/2015            2019     76 185 cm  75 kg
## 1366        24   01/26/2016            2018     76 185 cm  77 kg
## 1367        30   07/01/2013            2018     76 174 cm  75 kg
## 1368         3   08/03/2016            2019     76 188 cm  79 kg
## 1369        11   06/24/2015            2018     76 168 cm  65 kg
## 1370         1   06/28/2010            2020     76 187 cm  78 kg
## 1371        11   07/30/2016            2019     76 177 cm  72 kg
## 1372         5   06/17/2014            2018     76 190 cm  89 kg
## 1373        15   01/18/2016            2019     76 193 cm  87 kg
## 1374         7   08/24/2016            2020     76 178 cm  73 kg
## 1375        66   08/09/2014            2018     76 176 cm  77 kg
## 1376        22   06/04/2015            2018     76 185 cm  83 kg
## 1377        23   01/01/2016            2021     76 183 cm  79 kg
## 1378         9   07/01/2015            2019     76 183 cm  81 kg
## 1379        15   07/05/2016            2020     75 185 cm  75 kg
## 1380        14   06/16/2015            2019     76 180 cm  71 kg
## 1381         2   07/01/2015            2018     76 194 cm  88 kg
## 1382        16   07/01/2016            2018     76 175 cm  70 kg
## 1383         8   07/01/2016            2019     76 184 cm  76 kg
## 1384         3   01/31/2017            2020     76 182 cm  81 kg
## 1385        42   07/01/2015            2017     76 190 cm  82 kg
## 1386        30   01/14/2010            2019     76 185 cm  76 kg
## 1387        17   08/31/2016            2017     76 166 cm  66 kg
## 1388        13   07/04/2014            2020     76 180 cm  66 kg
## 1389         9   07/11/2016            2020     76 171 cm  61 kg
## 1390        28   07/01/2013            2018     76 173 cm  75 kg
## 1391        10   06/30/2015            2018     76 175 cm  72 kg
## 1392         7   01/11/2014            2017     76 178 cm  82 kg
## 1393         1   07/09/2013            2018     76 195 cm  90 kg
## 1394        27   07/02/2014            2018     76 185 cm  78 kg
## 1395        10   06/26/2015            2019     76 183 cm  72 kg
## 1396        10   06/30/2016            2019     76 174 cm  68 kg
## 1397        26   01/07/2014            2019     76 194 cm  82 kg
## 1398         5   07/11/2014            2020     76 185 cm  75 kg
## 1399        40   08/31/2012            2020     76 184 cm  79 kg
## 1400        18   07/01/2014            2018     76 196 cm  89 kg
## 1401         7   08/21/2015            2018     76 180 cm  78 kg
## 1402        34   07/01/2011            2019     76 186 cm  80 kg
## 1403         8   08/29/2012            2017     76 184 cm  86 kg
## 1404        22   01/01/2011            2017     76 188 cm  80 kg
## 1405        19   01/12/2017            2020     76 187 cm  80 kg
## 1406        15   08/14/2014            2018     76 184 cm  79 kg
## 1407        23   02/02/2015            2021     76 178 cm  68 kg
## 1408         8   07/01/2009            2020     76 171 cm  70 kg
## 1409        13   07/01/2012            2019     76 187 cm  89 kg
## 1410        17   01/01/2017            2021     76 179 cm  80 kg
## 1411         5   07/02/2013            2019     76 179 cm  72 kg
## 1412        20   07/10/2015            2018     76 185 cm  77 kg
## 1413        24   07/01/2014            2018     76 179 cm  72 kg
## 1414        10   07/05/2016            2020     76 176 cm  63 kg
## 1415        28   01/12/2017            2019     76 175 cm  75 kg
## 1416        20   06/22/2015            2021     76 168 cm  62 kg
## 1417        42   01/01/2008            2017     76 180 cm  75 kg
## 1418         9   01/30/2016            2019     76 183 cm  79 kg
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## 1419        14   01/16/2017            2017     76 180 cm  77 kg
## 1420         2   08/31/2012            2018     76 176 cm  70 kg
## 1421        33   01/10/2017            2020     76 187 cm  75 kg
## 1422        10   07/01/2012            2019     76 181 cm  76 kg
## 1423        26   08/17/2016            2019     76 194 cm  84 kg
## 1424        21   06/24/2014            2018     76 180 cm  76 kg
## 1425         5   07/01/2012            2018     76 186 cm  85 kg
## 1426         9   07/10/2013            2022     76 188 cm  94 kg
## 1427         6   01/16/2015            2018     76 185 cm  80 kg
## 1428        22   01/01/2017            2019     76 187 cm  80 kg
## 1429        24   07/01/2009            2018     76 177 cm  76 kg
## 1430        13   01/31/2017            2020     76 183 cm  80 kg
## 1431        27   07/01/2016            2021     76 187 cm  84 kg
## 1432        28   07/12/2013            2021     76 187 cm  84 kg
## 1433         3   07/03/2014            2021     76 170 cm  66 kg
## 1434        21   07/01/2015            2018     76 186 cm  83 kg
## 1435         6   07/01/2015            2019     76 179 cm  76 kg
## 1436        13   08/02/2016            2019     76 193 cm  79 kg
## 1437        23   08/11/2015            2019     76 174 cm  68 kg
## 1438        21   08/20/2016            2019     76 180 cm  69 kg
## 1439        20   08/14/2015            2018     76 175 cm  68 kg
## 1440        26   08/30/2016            2020     76 189 cm  77 kg
## 1441         3   07/22/2015            2018     76 188 cm  82 kg
## 1442        12   07/15/2016            2018     76 176 cm  70 kg
## 1443         6   07/15/2016            2018     76 179 cm  77 kg
## 1444        94   07/01/2016            2020     76 178 cm  68 kg
## 1445        69   07/02/2014            2019     76 182 cm  78 kg
## 1446        20   06/01/2007            2018     76 166 cm  67 kg
## 1447        18   07/01/2016            2019     76 194 cm  88 kg
## 1448        92   04/07/2016            2019     76 176 cm  68 kg
## 1449        40   08/09/2016            2019     76 177 cm  80 kg
## 1450        23   01/01/2010            2018     76 192 cm  84 kg
## 1451        10   07/01/2014            2020     76 185 cm  80 kg
## 1452         9   07/26/2015            2019     76 193 cm  88 kg
## 1453        11   07/01/2016            2021     76 173 cm  71 kg
## 1454         9   08/31/2015            2019     76 180 cm  74 kg
## 1455        23   02/05/2016            2019     76 173 cm  64 kg
## 1456         3   08/13/2015            2019     76 192 cm  84 kg
## 1457        16   07/11/2013            2017     76 181 cm  70 kg
## 1458         2   07/01/2015            2019     76 181 cm  78 kg
## 1459         8   01/17/2016            2019     76 180 cm  72 kg
## 1460         9   07/22/2016            2020     76 191 cm  83 kg
## 1461         5   06/21/2015            2019     76 185 cm  79 kg
## 1462        11   07/10/2015            2019     76 177 cm  73 kg
## 1463        21   07/02/2015            2020     76 186 cm  80 kg
## 1464        23   01/27/2016            2021     76 186 cm  83 kg
## 1465        23   07/04/2016            2020     76 183 cm  69 kg
## 1466        10   02/15/2017            2020     76 158 cm  56 kg
## 1467        24   08/09/2016            2020     76 180 cm  83 kg
## 1468        14   01/01/2007            2019     76 170 cm  65 kg
## 1469        87   08/29/2015            2018     76 174 cm  65 kg
## 1470        32   07/31/2016            2019     76 193 cm  82 kg
## 1471         9   07/01/2016            2019     76 192 cm  83 kg
## 1472        18   07/01/2015            2019     76 188 cm  85 kg
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## 1473        13   07/01/2015            2018     76 180 cm  70 kg
## 1474        20   07/01/2015            2019     76 183 cm  77 kg
## 1475        22   07/01/2014            2019     76 176 cm  69 kg
## 1476        11   07/01/2014            2020     77 174 cm  67 kg
## 1477         2   08/03/2016            2021     76 188 cm  76 kg
## 1478        13   01/01/2017            2019     76 189 cm  84 kg
## 1479         4   07/06/2016            2020     76 190 cm  90 kg
## 1480        19   08/31/2015            2017     76 183 cm  77 kg
## 1481        99   02/20/2015            2017     76 187 cm  82 kg
## 1482        20   07/18/2015            2019     76 186 cm  75 kg
## 1483        44   07/24/2015            2018     76 193 cm  84 kg
## 1484        16   08/13/2013            2018     76 175 cm  62 kg
## 1485         9   12/28/2015            2017     76 187 cm  81 kg
## 1486         9   08/05/2016            2019     76 191 cm  92 kg
## 1487         1   07/01/2011            2017     76 187 cm  78 kg
## 1488        28   06/26/2014            2018     76 184 cm  82 kg
## 1489         2   07/11/2015            2018     76 180 cm  79 kg
## 1490        19   01/09/2017            2017     76 173 cm  72 kg
## 1491         7   06/10/2015            2018     76 178 cm  73 kg
## 1492        11   08/23/2016            2019     76 170 cm  64 kg
## 1493        24   08/19/2015            2018     76 183 cm  76 kg
## 1494         3   07/01/2013            2020     76 182 cm  86 kg
## 1495        20   08/31/2015            2018     76 179 cm  77 kg
## 1496         6   07/01/2016            2018     76 185 cm  76 kg
## 1497         8   07/28/2014            2018     76 180 cm  75 kg
## 1498         8   07/01/2016            2019     76 188 cm  72 kg
## 1499        33   07/01/2014            2018     76 174 cm  71 kg
## 1500        14   07/18/2016            2019     76 186 cm  80 kg
## 1501         7   01/31/2012            2018     76 187 cm  82 kg
## 1502        24   06/12/2015            2019     76 176 cm  75 kg
## 1503         5   02/21/2017            2018     76 176 cm  75 kg
## 1504        28   08/08/2007            2019     76 180 cm  70 kg
## 1505        29   07/30/2016            2020     76 183 cm  73 kg
## 1506        32   07/04/2015            2018     76 180 cm  74 kg
## 1507         7   01/01/2012            2020     76 191 cm  77 kg
## 1508        26   01/01/2010            2018     76 182 cm  78 kg
## 1509        17   01/16/2015            2019     76 183 cm  79 kg
## 1510         9   08/31/2015            2020     76 180 cm  73 kg
## 1511        16   01/28/2015            2018     76 185 cm  77 kg
## 1512        88   08/29/2016            2021     76 175 cm  69 kg
## 1513        99   02/06/2015            2017     76 178 cm  74 kg
## 1514        11   01/06/2016            2018     76 176 cm  70 kg
## 1515        15   07/12/2014            2019     76 183 cm  73 kg
## 1516         7   07/01/2015            2019     76 192 cm  80 kg
## 1517         5   07/05/2016            2021     76 192 cm  74 kg
## 1518         6   07/02/2014            2018     76 183 cm  76 kg
## 1519        21   07/20/2016            2019     76 175 cm  74 kg
## 1520         1   07/07/2014            2019     76 188 cm  86 kg
## 1521         1   07/01/2016            2019     76 195 cm  88 kg
## 1522         3   09/01/2005            2017     76 190 cm  79 kg
## 1523        12   07/01/2011            2019     76 180 cm  67 kg
## 1524        16   08/23/2013            2021     76 184 cm  78 kg
## 1525        38   06/16/2016            2023     76 176 cm  74 kg
## 1526        29   08/18/2016            2020     76 186 cm  84 kg
```

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## 1527        18   08/26/2016          2018     76 172 cm  66 kg
## 1528        11   08/07/2016          2020     76 173 cm  63 kg
## 1529         5   07/26/2011          2018     76 184 cm  82 kg
## 1530        77   01/15/2014          2019     76 170 cm  63 kg
## 1531        28   01/24/2017          2019     75 181 cm  72 kg
## 1532        30   07/06/2010          2017     76 176 cm  73 kg
## 1533        41   07/01/2015          2019     76 191 cm  82 kg
## 1534        11   07/01/2014          2019     76 174 cm  76 kg
## 1535        25   07/08/2016          2017     76 194 cm  76 kg
## 1536        10   07/31/2011          2017     76 178 cm  70 kg
## 1537        13   07/31/2014          2017     76 180 cm  77 kg
## 1538         8   07/01/2011          2019     76 175 cm  70 kg
## 1539        21   07/29/2013          2018     76 186 cm  85 kg
## 1540        37   09/02/2016          2017     76 188 cm  86 kg
## 1541        25   06/16/2014          2017     76 187 cm  76 kg
## 1542        28   09/26/2016          2018     76 168 cm  75 kg
## 1543         1   01/01/2017          2018     76 184 cm  79 kg
## 1544         6   08/31/2015          2018     76 189 cm  77 kg
## 1545         7   08/01/2007          2018     76 178 cm  64 kg
## 1546        34   08/01/2010          2018     76 184 cm  83 kg
## 1547        20   02/04/2011          2017     76 180 cm  78 kg
## 1548        27   07/08/2016          2018     76 182 cm  77 kg
## 1549        10   07/01/2016          2022     76 178 cm  80 kg
## 1550        10   08/01/2011          2019     76 179 cm  71 kg
## 1551         5   12/25/2013          2018     76 175 cm  71 kg
## 1552        16   07/01/2014          2017     76 178 cm  74 kg
## 1553        24   05/13/2014          2021     76 179 cm  75 kg
## 1554         6   08/05/2014          2018     76 179 cm  70 kg
## 1555        14   08/31/2015          2018     76 183 cm  73 kg
## 1556        24   01/31/2017          2017     76 172 cm  65 kg
## 1557        99   08/30/2014          2018     76 192 cm  80 kg
## 1558         1   01/01/2009          2022     76 184 cm  84 kg
## 1559        16   08/31/2012          2017     76 185 cm  82 kg
## 1560        31   02/22/2017          2017     76 197 cm  91 kg
## 1561        22   07/01/2007          2017     76 180 cm  82 kg
## 1562        16   07/19/2013          2019     76 180 cm  75 kg
## 1563        19   12/30/2016          2020     76 174 cm  74 kg
## 1564        42   01/31/2014          2018     76 173 cm  71 kg
## 1565        33   07/01/2016          2017     76 192 cm  90 kg
## 1566        14   06/26/2008          2018     76 168 cm  71 kg
## 1567        25   01/25/2017          2018     76 190 cm  83 kg
## 1568        17   08/06/2015          2017     76 174 cm  71 kg
## 1569        16   08/11/2014          2017     76 180 cm  78 kg
## 1570        13   07/30/2014          2018     76 184 cm  86 kg
## 1571         2   08/04/2014          2018     76 192 cm  82 kg
## 1572        12   07/01/2010          2018     76 191 cm  89 kg
## 1573        23   01/01/2012          2018     76 174 cm  71 kg
## 1574        10   07/04/2013          2017     76 175 cm  73 kg
## 1575        24   02/02/2015          2017     76 184 cm  74 kg
## 1576        21   06/25/2015          2017     75 196 cm  93 kg
## 1577        30   01/11/2017          2017     76 187 cm  76 kg
## 1578        28   02/02/2015          2018     76 185 cm  77 kg
## 1579        11   07/11/2015          2020     76 180 cm  77 kg
## 1580        20   08/30/2016          2018     76 168 cm  68 kg
```

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## 1581        6   07/25/2016          2018     76 178 cm  76 kg
## 1582        4   07/29/2016          2018     76 183 cm  75 kg
## 1583        3   07/01/2012          2017     76 183 cm  75 kg
## 1584        4   02/08/2016          2019     76 185 cm  85 kg
## 1585       22   08/03/2016          2017     76 185 cm  76 kg
## 1586        2   07/24/2016          2017     76 178 cm  76 kg
## 1587       25   01/01/2017          2017     75 180 cm  77 kg
## 1588       23   07/01/2011          2017     76 195 cm  89 kg
## 1589        1   07/01/2015          2017     76 193 cm  87 kg
## 1590       21   08/26/2016          2019     76 186 cm  79 kg
## 1591       15   08/01/2011          2019     76 170 cm  77 kg
## 1592       33   07/01/2012          2018     76 179 cm  75 kg
## 1593       20   08/19/2016          2017     76 170 cm  66 kg
## 1594        1   01/01/2016          2018     76 190 cm  86 kg
## 1595       24   07/11/2013          2017     76 182 cm  79 kg
## 1596       13   03/23/2017          2019     76 193 cm  84 kg
## 1597       19   08/01/2012          2018     76 193 cm  90 kg
## 1598       18   01/01/2007          2018     76 178 cm  83 kg
## 1599        3   08/01/2012          2017     76 191 cm  78 kg
## 1600       22   07/04/2016          2019     76 197 cm  92 kg
## 1601       28   07/01/2014          2017     76 185 cm  83 kg
## 1602       18   07/01/2015          2018     75 183 cm  72 kg
## 1603       81   02/01/2016          2020     75 176 cm  66 kg
## 1604        4   07/01/2016          2019     75 190 cm  78 kg
## 1605       15   02/01/2016          2020     75 179 cm  72 kg
## 1606        3   02/01/2016          2019     75 183 cm  82 kg
## 1607       16   02/02/2016          2017     75 183 cm  78 kg
## 1608       19   08/31/2015          2021     75 183 cm  76 kg
## 1609        4   02/01/2015          2020     75 188 cm  84 kg
## 1610        9   02/01/2015          2020     75 187 cm  81 kg
## 1611       11   08/31/2016          2020     75 176 cm  73 kg
## 1612        8   02/01/2015          2020     75 176 cm  72 kg
## 1613        9   02/01/2015          2020     75 175 cm  72 kg
## 1614        9   08/31/2016          2020     75 178 cm  71 kg
## 1615        6   02/01/2015          2020     75 182 cm  77 kg
## 1616        3   02/01/2015          2020     75 191 cm  88 kg
## 1617        3   02/01/2015          2020     75 188 cm  77 kg
## 1618        2   02/01/2015          2020     75 178 cm  75 kg
## 1619        5   02/01/2015          2020     75 175 cm  68 kg
## 1620        1   02/01/2015          2020     75 190 cm  88 kg
## 1621        9   08/31/2016          2020     75 178 cm  75 kg
## 1622       10   08/22/2016          2020     75 171 cm  63 kg
## 1623        6   01/01/2015          2020     75 178 cm  75 kg
## 1624        6   01/01/2015          2020     75 188 cm  88 kg
## 1625        3   01/01/2015          2020     75 179 cm  80 kg
## 1626        4   01/01/2015          2019     75 185 cm  85 kg
## 1627        4   01/01/2015          2020     75 192 cm  91 kg
## 1628        2   01/01/2015          2020     75 175 cm  71 kg
## 1629        5   01/01/2015          2020     75 177 cm  76 kg
## 1630        1   01/01/2015          2020     75 188 cm  82 kg
## 1631        7   07/15/2015          2020     75 188 cm  76 kg
## 1632       27   01/10/2015          2018     75 174 cm  72 kg
## 1633        9   07/01/2015          2019     75 179 cm  72 kg
## 1634       74   01/01/2014          2019     75 182 cm  75 kg
```

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## 1635        25   07/01/2015          2021     75 187 cm  82 kg
## 1636        39   07/01/2015          2020     75 182 cm  78 kg
## 1637        22   01/05/2016          2020     75 173 cm  69 kg
## 1638        29   08/31/2015          2020     75 185 cm  83 kg
## 1639        14   08/01/2014          2023     75 184 cm  73 kg
## 1640         8   07/01/2016          2021     75 174 cm  67 kg
## 1641         3   10/17/2014          2021     75 183 cm  71 kg
## 1642        33   01/25/2017          2021     75 188 cm  77 kg
## 1643         5   08/02/2013          2019     75 185 cm  72 kg
## 1644        24   07/01/2016          2021     75 187 cm  79 kg
## 1645         7   01/01/2016          2023     75 168 cm  64 kg
## 1646         6   07/01/2014          2019     75 180 cm  75 kg
## 1647         7   07/14/2014          2020     75 175 cm  65 kg
## 1648        34   07/01/2015          2020     75 168 cm  64 kg
## 1649         6   08/18/2016          2019     75 180 cm  75 kg
## 1650        25   07/01/2016          2020     75 169 cm  63 kg
## 1651        80   07/09/2014          2018     75 188 cm  82 kg
## 1652         7   08/31/2012          2017     75 175 cm  70 kg
## 1653         6   01/01/2004          2023     75 174 cm  75 kg
## 1654        27   12/14/2014          2020     75 184 cm  78 kg
## 1655        10   07/01/2014          2019     75 175 cm  76 kg
## 1656        17   06/30/2016          2020     75 175 cm  70 kg
## 1657        34   01/06/2015          2017     75 189 cm  83 kg
## 1658        18   02/09/2017          2019     75 178 cm  72 kg
## 1659        11   12/01/2013          2019     75 179 cm  82 kg
## 1660        91   01/01/2017          2021     75 201 cm  90 kg
## 1661        24   08/28/2015          2021     75 174 cm  70 kg
## 1662         9   07/18/2016          2019     75 185 cm  80 kg
## 1663        13   09/24/2013          2022     75 187 cm  76 kg
## 1664         5   01/05/2017          2021     75 186 cm  81 kg
## 1665        15   08/17/2016          2018     75 183 cm  76 kg
## 1666        19   01/09/2015          2021     75 189 cm  82 kg
## 1667         9   08/25/2014          2019     75 175 cm  69 kg
## 1668        24   08/01/2013          2019     75 168 cm  69 kg
## 1669        27   07/20/2015          2018     73 174 cm  57 kg
## 1670        17   07/18/2016          2019     75 188 cm  76 kg
## 1671        23   07/18/2015          2020     75 176 cm  70 kg
## 1672         5   01/12/2014          2018     75 187 cm  79 kg
## 1673        11   01/28/2016          2020     75 179 cm  75 kg
## 1674        16   08/02/2014          2018     75 184 cm  76 kg
## 1675        11   01/31/2017          2022     75 170 cm  65 kg
## 1676         7   01/06/2015          2018     75 174 cm  75 kg
## 1677         2   07/02/2014          2017     75 189 cm  85 kg
## 1678         8   07/01/2013          2021     75 184 cm  75 kg
## 1679         6   07/11/2016          2021     75 183 cm  77 kg
## 1680         3   07/29/2014          2018     75 178 cm  63 kg
## 1681        16   07/12/2013          2020     75 184 cm  83 kg
## 1682        27   01/16/2015          2021     75 179 cm  69 kg
## 1683        45   07/21/2015          2020     75 189 cm  82 kg
## 1684        11   01/10/2017          2020     75 182 cm  72 kg
## 1685        10   07/27/2015          2018     75 177 cm  72 kg
## 1686        17   01/01/2014          2018     75 183 cm  80 kg
## 1687         6   07/24/2012          2022     75 193 cm  85 kg
## 1688         7   01/11/2017          2022     75 180 cm  76 kg
```

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## 1689        8   01/01/2015          2022     75 172 cm  73 kg
## 1690        6   07/01/2016          2020     75 184 cm  85 kg
## 1691       20   09/09/2015          2018     75 170 cm  69 kg
## 1692        2   05/29/2014          2020     75 185 cm  81 kg
## 1693       23   01/01/2016          2022     75 178 cm  70 kg
## 1694        6   12/29/2015          2018     75 184 cm  78 kg
## 1695       23   12/18/2014          2017     75 165 cm  68 kg
## 1696        8   07/01/2016          2020     75 179 cm  70 kg
## 1697       23   07/11/2016          2021     75 185 cm  84 kg
## 1698       19   07/09/2013          2018     75 187 cm  76 kg
## 1699        9   08/08/2016          2020     75 191 cm  91 kg
## 1700        9   02/02/2015          2019     75 178 cm  69 kg
## 1701        8   12/07/2011          2020     75 182 cm  70 kg
## 1702       21   07/08/2016          2020     75 181 cm  77 kg
## 1703       26   08/08/2016          2020     75 179 cm  70 kg
## 1704       18   06/08/2016          2022     75 171 cm  65 kg
## 1705        6   01/01/2017          2021     75 184 cm  74 kg
## 1706       26   07/01/2016          2022     75 191 cm  86 kg
## 1707        1   01/07/2015          2022     75 185 cm  82 kg
## 1708       16   07/29/2016          2021     75 176 cm  73 kg
## 1709       94   07/01/2011          2020     75 180 cm  70 kg
## 1710       10   07/29/2015          2019     75 183 cm  77 kg
## 1711       13   07/01/2012          2020     75 188 cm  70 kg
## 1712        7   07/01/2016          2020     75 170 cm  70 kg
## 1713        6   08/31/2016          2021     75 175 cm  70 kg
## 1714       11   01/13/2016          2020     75 170 cm  65 kg
## 1715        5   06/01/2012          2019     75 175 cm  66 kg
## 1716       16   01/10/2017          2021     75 173 cm  70 kg
## 1717       25   07/01/2016          2020     75 180 cm  75 kg
## 1718       22   07/01/2012          2018     75 192 cm  83 kg
## 1719       23   06/14/2016          2022     75 166 cm  64 kg
## 1720       99   07/30/2015          2020     75 172 cm  64 kg
## 1721        7   01/04/2017          2022     75 172 cm  65 kg
## 1722        6   07/01/2012          2020     75 180 cm  75 kg
## 1723       13   07/01/2016          2019     75 180 cm  80 kg
## 1724       12   08/26/2014          2018     75 186 cm  78 kg
## 1725       24   02/01/2016          2020     75 182 cm  82 kg
## 1726       99   01/12/2017          2020     75 176 cm  76 kg
## 1727       20   09/02/2013          2020     75 180 cm  76 kg
## 1728        6   07/09/2016          2020     75 194 cm  89 kg
## 1729        5   07/18/2016          2019     75 190 cm  81 kg
## 1730       18   07/01/2012          2020     75 183 cm  75 kg
## 1731       26   01/27/2017          2020     75 174 cm  77 kg
## 1732       19   06/01/2012          2020     75 185 cm  74 kg
## 1733        2   07/19/2013          2022     75 182 cm  72 kg
## 1734       38   07/01/2010          2017     75 186 cm  83 kg
## 1735       28   02/01/2017          2020     75 186 cm  80 kg
## 1736       31   06/01/2011          2020     75 178 cm  78 kg
## 1737       18   07/01/2011          2018     75 190 cm  90 kg
## 1738       25   07/28/2014          2020     75 182 cm  66 kg
## 1739       27   07/15/2015          2018     75 196 cm  91 kg
## 1740        9   07/15/2016          2020     75 182 cm  87 kg
## 1741        9   07/01/2016          2021     75 177 cm  73 kg
## 1742       30   09/01/2013          2018     75 172 cm  68 kg
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## 1743          9   08/01/2011            2018     75 174 cm  78 kg
## 1744         17   01/28/2013            2017     75 187 cm  80 kg
## 1745         20   01/18/2017            2020     75 190 cm  80 kg
## 1746          4   07/13/2016            2019     75 174 cm  68 kg
## 1747         46   07/01/2010            2018     75 197 cm  79 kg
## 1748         25   02/08/2016            2020     75 178 cm  70 kg
## 1749         32   07/01/2011            2018     75 188 cm  80 kg
## 1750          1   07/01/2014            2019     75 187 cm  76 kg
## 1751         19   07/01/2010            2020     75 187 cm  78 kg
## 1752          6   01/01/2011            2018     75 175 cm  70 kg
## 1753          2   08/11/2014            2018     75 175 cm  76 kg
## 1754         11   07/01/2016            2019     75 180 cm  71 kg
## 1755         24   08/31/2015            2017     75 170 cm  63 kg
## 1756         25   01/15/2017            2020     75 174 cm  72 kg
## 1757          7   07/01/2016            2020     75 180 cm  74 kg
## 1758         63   07/01/2014            2018     75 177 cm  72 kg
## 1759         17   08/03/2016            2020     75 173 cm  73 kg
## 1760          7   08/14/2012            2018     75 170 cm  74 kg
## 1761         92   08/05/2015            2020     75 179 cm  77 kg
## 1762          6   07/01/2015            2020     75 180 cm  75 kg
## 1763         24   01/20/2015            2019     75 175 cm  80 kg
## 1764         23   08/15/2014            2017     75 180 cm  70 kg
## 1765         23   07/28/2015            2018     75 175 cm  67 kg
## 1766          7   07/01/2016            2020     75 180 cm  79 kg
## 1767         31   01/08/2014            2021     75 170 cm  68 kg
## 1768         27   07/01/2015            2019     75 186 cm  88 kg
## 1769          4   01/01/2011            2017     75 186 cm  82 kg
## 1770          7   01/10/2012            2019     75 183 cm  74 kg
## 1771         19   02/01/2016            2020     75 180 cm  71 kg
## 1772         49   07/01/2015            2019     75 175 cm  71 kg
## 1773         24   08/30/2015            2017     75 184 cm  79 kg
## 1774         28   08/08/2016            2019     75 169 cm  62 kg
## 1775         30   01/18/2017            2019     75 183 cm  75 kg
## 1776         27   08/08/2016            2019     75 185 cm  80 kg
## 1777          3   01/30/2012            2020     75 185 cm  76 kg
## 1778         21   07/07/2014            2017     75 173 cm  76 kg
## 1779         99   07/09/2015            2019     75 198 cm  95 kg
## 1780          5   07/01/2010            2021     75 192 cm  88 kg
## 1781          3   07/02/2013            2017     75 189 cm  79 kg
## 1782         28   01/17/2016            2020     75 185 cm  82 kg
## 1783         10   07/01/2014            2019     75 185 cm  83 kg
## 1784         28   06/29/2016            2021     75 189 cm  82 kg
## 1785          2   06/22/2015            2018     75 180 cm  78 kg
## 1786         14   08/12/2015            2021     75 183 cm  83 kg
## 1787         45   07/01/2010            2018     75 186 cm  85 kg
## 1788         19   07/09/2015            2017     75 178 cm  68 kg
## 1789          8   01/04/2014            2018     75 203 cm  87 kg
## 1790         33   01/30/2014            2018     75 180 cm  75 kg
## 1791          2   07/01/2015            2019     75 189 cm  83 kg
## 1792          8   08/21/2013            2017     75 180 cm  73 kg
## 1793         22   07/01/2016            2021     75 173 cm  75 kg
## 1794          4   08/07/2015            2019     75 192 cm  85 kg
## 1795         12   08/30/2016            2019     75 175 cm  67 kg
## 1796         10   07/04/2014            2019     75 189 cm  88 kg
```

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## 1797        29   07/22/2016            2020     75 179 cm  75 kg
## 1798        23   07/01/2015            2020     75 181 cm  72 kg
## 1799         4   06/24/2014            2017     75 178 cm  71 kg
## 1800         7   07/01/2016            2021     75 170 cm  63 kg
## 1801        14   07/01/2015            2018     75 182 cm  74 kg
## 1802        25   01/08/2016            2019     75 184 cm  70 kg
## 1803         2   01/25/2016            2019     75 178 cm  76 kg
## 1804         7   01/13/2016            2017     75 173 cm  65 kg
## 1805        19   01/10/2016            2018     75 170 cm  67 kg
## 1806        28   01/01/2009            2021     75 191 cm 102 kg
## 1807        18   01/18/2016            2018     75 178 cm  78 kg
## 1808        99   09/01/2016            2018     75 192 cm  86 kg
## 1809        55   07/01/2011            2019     75 170 cm  68 kg
## 1810        39   01/29/2017            2021     75 182 cm  82 kg
## 1811        23   01/31/2017            2021     75 181 cm  72 kg
## 1812        10   07/19/2016            2018     75 171 cm  64 kg
## 1813        22   07/22/2014            2018     75 191 cm  77 kg
## 1814         7   08/10/2016            2020     75 171 cm  68 kg
## 1815        26   07/01/2014            2018     75 183 cm  78 kg
## 1816        44   07/01/2008            2018     75 174 cm  71 kg
## 1817         7   08/25/2016            2018     75 166 cm  63 kg
## 1818        31   01/04/2016            2020     75 186 cm  82 kg
## 1819         3   01/01/2012            2019     75 185 cm  82 kg
## 1820         3   07/05/2015            2018     75 184 cm  70 kg
## 1821         7   08/02/2013            2018     75 176 cm  70 kg
## 1822        21   06/30/2016            2019     75 184 cm  73 kg
## 1823         8   01/01/2010            2020     75 173 cm  71 kg
## 1824         7   07/02/2015            2017     75 183 cm  76 kg
## 1825        33   07/01/2014            2020     75 190 cm  87 kg
## 1826         1   07/01/2014            2019     75 197 cm  92 kg
## 1827         7   06/13/2014            2018     75 186 cm  77 kg
## 1828        87   07/13/2016            2017     75 178 cm  75 kg
## 1829        40   02/01/2017            2019     75 182 cm  76 kg
## 1830         3   08/30/2012            2018     75 189 cm  78 kg
## 1831         3   08/29/2015            2018     75 176 cm  73 kg
## 1832        13   07/01/2014            2020     75 182 cm  71 kg
## 1833        22   07/01/2010            2018     75 176 cm  70 kg
## 1834        39   07/01/2016            2020     75 178 cm  69 kg
## 1835        27   06/28/2013            2019     75 182 cm  78 kg
## 1836         6   01/29/2016            2019     75 189 cm  85 kg
## 1837         2   06/15/2015            2018     75 183 cm  88 kg
## 1838        14   07/01/2014            2018     75 179 cm  73 kg
## 1839         7   08/08/2014            2018     75 179 cm  70 kg
## 1840        25   08/30/2016            2019     75 175 cm  68 kg
## 1841        16   07/03/2014            2018     75 186 cm  83 kg
## 1842        11   12/18/2014            2021     75 171 cm  66 kg
## 1843         6   09/01/2008            2019     75 178 cm  72 kg
## 1844        23   06/01/2011            2017     75 180 cm  69 kg
## 1845        77   08/05/2016            2019     75 191 cm  86 kg
## 1846         9   07/01/2015            2019     75 192 cm  90 kg
## 1847        19   01/02/2015            2018     75 177 cm  76 kg
## 1848        10   01/14/2016            2019     75 178 cm  72 kg
## 1849         6   08/11/2015            2018     75 186 cm  78 kg
## 1850         2   08/14/2016            2019     75 172 cm  65 kg
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## 1851        24   07/27/2016            2017     75 184 cm  73 kg
## 1852        20   01/12/2017            2020     75 179 cm  71 kg
## 1853         1   11/25/2007            2019     75 183 cm  75 kg
## 1854        20   07/01/2016            2020     75 182 cm  75 kg
## 1855        30   07/11/2014            2018     75 184 cm  85 kg
## 1856         4   06/24/2016            2020     75 183 cm  79 kg
## 1857         8   01/20/2017            2021     75 180 cm  76 kg
## 1858        18   07/03/2014            2019     75 178 cm  70 kg
## 1859         8   12/24/2016            2019     75 178 cm  70 kg
## 1860         8   07/26/2016            2019     75 176 cm  75 kg
## 1861        14   06/19/2015            2018     75 178 cm  80 kg
## 1862         2   01/19/2017            2019     75 193 cm  84 kg
## 1863        25   07/01/2007            2019     75 169 cm  65 kg
## 1864         9   09/01/2014            2018     75 185 cm  73 kg
## 1865        99   02/06/2017            2020     75 178 cm  68 kg
## 1866        12   07/26/2016            2019     75 192 cm  82 kg
## 1867         8   07/09/2016            2019     75 171 cm  72 kg
## 1868        11   07/01/2016            2019     75 174 cm  68 kg
## 1869         3   07/01/2015            2018     75 190 cm  88 kg
## 1870        10   07/06/2016            2020     75 183 cm  75 kg
## 1871         4   07/01/2013            2020     75 178 cm  74 kg
## 1872        10   07/06/2016            2019     75 183 cm  75 kg
## 1873         7   07/01/2008            2018     75 186 cm  72 kg
## 1874        35   07/02/2014            2017     75 190 cm  87 kg
## 1875         3   08/26/2015            2018     75 185 cm  75 kg
## 1876        23   08/01/2010            2019     75 184 cm  73 kg
## 1877        29   01/01/2011            2020     75 174 cm  73 kg
## 1878        32   08/04/2016            2020     75 165 cm  64 kg
## 1879        26   01/22/2015            2018     75 180 cm  73 kg
## 1880         9   07/01/2014            2018     75 186 cm  80 kg
## 1881         6   07/27/2015            2018     75 186 cm  71 kg
## 1882         2   05/01/2012            2018     75 188 cm  83 kg
## 1883        23   07/01/2012            2018     75 181 cm  71 kg
## 1884         3   01/30/2017            2021     75 175 cm  67 kg
## 1885        12   08/12/2016            2020     75 181 cm  79 kg
## 1886        63   08/31/2015            2018     75 180 cm  79 kg
##       Preffered_Foot Birth_Date Age Preffered_Position       Work_Rate
## 1              Right 02/05/1985  32              LW/ST      High / Low
## 2               Left 06/24/1987  29                 RW Medium / Medium
## 3              Right 02/05/1992  25                 LW   High / Medium
## 4              Right 01/24/1987  30                 ST   High / Medium
## 5              Right 03/27/1986  31                 GK Medium / Medium
## 6              Right 11/07/1990  26                 GK Medium / Medium
## 7              Right 08/21/1988  28                 ST   High / Medium
## 8               Left 07/16/1989  27                 RW   High / Medium
## 9              Right 10/03/1981  35                 ST    Medium / Low
## 10              Left 05/11/1992  24                 GK Medium / Medium
## 11             Right 09/03/1988  28                 CB Medium / Medium
## 12             Right 01/07/1991  26              LW/LM   High / Medium
## 13             Right 09/09/1985  31             CM/CDM   High / Medium
## 14              Left 10/15/1988  28             CAM/LW    Medium / Low
## 15             Right 12/10/1987  29                 ST   High / Medium
## 16             Right 09/22/1984  32                 CB     High / High
## 17             Right 03/30/1986  31                 CB   High / Medium
```

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## 18              Right 06/02/1988  28                ST   High / Medium
## 19              Right 03/15/1993  24            CM/CAM   High / Medium
## 20               Left 03/21/1991  26             ST/LW   High / Medium
## 21              Right 06/28/1991  25         CAM/RM/LM     High / High
## 22              Right 05/31/1989  27            LM/CAM Medium / Medium
## 23              Right 12/19/1988  28             ST/RM     High / High
## 24              Right 01/04/1990  27            CM/CDM Medium / Medium
## 25              Right 02/16/1986  31                CB   Medium / High
## 26              Right 12/16/1988  28                CB   High / Medium
## 27               Left 12/26/1986  30                GK Medium / Medium
## 28               Left 08/14/1984  32                CB      Low / High
## 29              Right 11/11/1983  33             RB/CM   Medium / High
## 30              Right 02/26/1983  34                CB   Medium / High
## 31               Left 05/20/1982  34                GK Medium / Medium
## 32              Right 01/28/1978  39                GK Medium / Medium
## 33              Right 05/11/1984  32                CM   High / Medium
## 34              Right 01/07/1993  24                GK Medium / Medium
## 35               Left 07/12/1991  25            CAM/RM    Medium / Low
## 36              Right 06/18/1989  27             ST/RM    Medium / Low
## 37              Right 05/01/1987  29                CB      Low / High
## 38              Right 05/22/1987  29            CM/CDM     High / High
## 39              Right 03/10/1988  29                CM Medium / Medium
## 40               Left 01/08/1986  31            CAM/LM      High / Low
## 41              Right 07/14/1984  32                GK Medium / Medium
## 42              Right 02/02/1987  30                CB   High / Medium
## 43               Left 01/23/1984  33             RM/RW      High / Low
## 44               Left 11/15/1993  23            ST/CAM Medium / Medium
## 45              Right 11/05/1992  24            CM/CDM     High / High
## 46               Left 06/24/1992  24             LB/CM   High / Medium
## 47              Right 01/21/1989  28            RM/CAM     High / High
## 48              Right 03/04/1992  25                GK Medium / Medium
## 49              Right 09/13/1989  27         CF/CAM/ST     High / High
## 50              Right 07/16/1988  28            CDM/CM Medium / Medium
## 51              Right 04/11/1991  25         CM/CDM/LM Medium / Medium
## 52               Left 03/21/1989  28                LB   High / Medium
## 53              Right 06/12/1992  24            LW/CAM     High / High
## 54               Left 02/14/1988  29            RW/CAM   High / Medium
## 55              Right 10/07/1988  28                ST   High / Medium
## 56              Right 02/14/1987  30                ST     High / High
## 57              Right 05/04/1988  28            CM/CAM     High / High
## 58               Left 05/12/1988  28                LB   High / Medium
## 59              Right 01/19/1986  31            CM/CDM     High / High
## 60              Right 09/07/1984  32                CB Medium / Medium
## 61              Right 12/19/1987  29                ST    Medium / Low
## 62              Right 05/04/1987  29            CM/CAM   High / Medium
## 63              Right 04/07/1983  33             LM/LW   High / Medium
## 64              Right 12/13/1984  32           CAM/CDM Medium / Medium
## 65              Right 05/08/1981  35                CB      Low / High
## 66              Right 07/28/1993  23                ST     High / High
## 67              Right 05/28/1991  25                ST   High / Medium
## 68              Right 12/15/1986  30                GK Medium / Medium
## 69               Left 05/13/1993  23                ST Medium / Medium
## 70              Right 02/14/1992  25            CAM/LM   High / Medium
## 71              Right 10/24/1990  26            CM/CDM   High / Medium
```

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## 72            Right 03/02/1989  28              CB Medium / Medium
## 73            Right 08/09/1988  28          RM/CAM     High / High
## 74            Right 04/02/1990  26          CM/CDM Medium / Medium
## 75             Left 04/28/1988  28          CAM/CM Medium / Medium
## 76            Right 09/02/1988  28          CB/CDM Medium / Medium
## 77            Right 03/29/1987  30           LM/LW      High / Low
## 78            Right 05/06/1987  29           LW/ST      High / Low
## 79            Right 06/09/1988  28              CB Medium / Medium
## 80            Right 07/27/1987  29              CM   High / Medium
## 81             Left 04/09/1987  29          CDM/CM     High / High
## 82            Right 09/27/1986  30              GK Medium / Medium
## 83            Right 09/10/1985  31              CB   Medium / High
## 84             Left 08/09/1985  31              LB   High / Medium
## 85            Right 04/10/1986  30              CB Medium / Medium
## 86             Left 05/27/1994  22              CB Medium / Medium
## 87            Right 09/04/1993  23           LM/LW   High / Medium
## 88            Right 01/11/1992  25              RB   High / Medium
## 89             Left 02/21/1991  26          RM/CAM Medium / Medium
## 90            Right 04/25/1993  23              CB   Medium / High
## 91            Right 02/19/1993  24              ST    Medium / Low
## 92            Right 06/04/1991  25              LW   High / Medium
## 93            Right 04/21/1992  24           CM/RM   High / Medium
## 94            Right 01/08/1992  25           CM/RM     High / High
## 95            Right 06/14/1991  25              CB   Medium / High
## 96            Right 10/27/1984  32              GK Medium / Medium
## 97            Right 02/12/1988  29              CB     High / High
## 98            Right 04/17/1992  24              CB   Medium / High
## 99             Left 08/01/1988  28          CDM/CM   Medium / High
## 100            Left 01/26/1991  26           LB/LM     High / High
## 101           Right 02/03/1988  29              CB    Low / Medium
## 102            Left 09/14/1990  26          LM/CAM    Medium / Low
## 103            Left 02/13/1990  27          CM/CDM     High / High
## 104            Left 02/23/1988  29              LM Medium / Medium
## 105            Left 06/12/1984  32              CM   Medium / High
## 106           Right 02/02/1989  28          LM/CAM   High / Medium
## 107           Right 04/22/1987  29              CB   High / Medium
## 108           Right 04/04/1987  29          CM/CDM     High / High
## 109           Right 02/29/1988  29           CB/RB Medium / Medium
## 110           Right 09/27/1988  28              GK Medium / Medium
## 111           Right 06/28/1989  27              GK Medium / Medium
## 112           Right 06/29/1988  28             CAM Medium / Medium
## 113           Right 04/17/1987  29              CB Medium / Medium
## 114           Right 03/28/1985  32              GK Medium / Medium
## 115           Right 05/06/1983  33              RB      High / Low
## 116           Right 01/30/1987  30           CM/LW     High / High
## 117           Right 06/08/1984  32          CB/CDM   Medium / High
## 118           Right 02/11/1981  36              ST   High / Medium
## 119           Right 05/13/1983  33          CM/CDM Medium / Medium
## 120           Right 04/12/1994  22              CB   Medium / High
## 121           Right 01/20/1995  22              CB   Medium / High
## 122           Right 03/29/1991  26          CM/CDM   Medium / High
## 123           Right 05/20/1992  24              GK Medium / Medium
## 124           Right 01/19/1993  24          CM/CAM   Medium / High
## 125           Right 07/30/1993  23          CM/CAM Medium / Medium
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## 126            Right 05/14/1994  22            CB/RB Medium / Medium
## 127            Right 09/08/1986  30               ST    Medium / Low
## 128            Right 04/07/1992  24              CDM   Medium / High
## 129            Right 04/08/1990  26               RM     High / High
## 130            Right 12/08/1994  22            RM/RW   High / Medium
## 131            Right 09/20/1993  23           CAM/LW    Medium / Low
## 132            Right 10/02/1991  25           ST/CAM     High / High
## 133             Left 03/20/1990  27            CB/LB   Medium / High
## 134            Right 06/20/1991  25               CB     High / High
## 135            Right 09/09/1991  25              CDM   Medium / High
## 136             Left 05/12/1993  23               GK Medium / Medium
## 137            Right 02/23/1992  25              CDM   Medium / High
## 138            Right 11/02/1989  27            LM/RM     High / High
## 139             Left 10/01/1990  26               GK Medium / Medium
## 140            Right 11/10/1992  24               GK Medium / Medium
## 141            Right 08/08/1991  25               CB Medium / Medium
## 142            Right 05/26/1988  28           RM/CAM   High / Medium
## 143             Left 08/01/1987  29            ST/RW     High / High
## 144            Right 04/30/1992  24               GK Medium / Medium
## 145            Right 06/03/1992  24           CM/CAM Medium / Medium
## 146            Right 08/14/1989  27           CM/CDM     High / High
## 147            Right 06/20/1989  27            CM/RW   High / Medium
## 148            Right 11/22/1989  27               CB   Medium / High
## 149            Right 07/28/1987  29            RW/LW   High / Medium
## 150            Right 08/22/1989  27            CM/LM   High / Medium
## 151            Right 11/14/1990  26               GK Medium / Medium
## 152            Right 09/09/1991  25           CAM/LM   Medium / High
## 153            Right 12/15/1988  28           CDM/CM Medium / Medium
## 154            Right 12/26/1990  26            CM/RM     High / High
## 155            Right 08/26/1990  26               CB Medium / Medium
## 156            Right 07/21/1989  27               CB Medium / Medium
## 157            Right 02/11/1987  30               RW     High / High
## 158            Right 03/15/1989  28               CM   Medium / High
## 159            Right 08/28/1989  27            CB/LB Medium / Medium
## 160            Right 01/26/1987  30            CF/ST   High / Medium
## 161            Right 04/14/1988  28               ST Medium / Medium
## 162            Right 05/21/1986  30            ST/LM     High / High
## 163            Right 05/10/1988  28               CM     High / High
## 164             Left 09/30/1986  30               ST Medium / Medium
## 165             Left 02/15/1988  29               GK Medium / Medium
## 166            Right 12/17/1988  28               GK Medium / Medium
## 167            Right 04/01/1984  32               ST   High / Medium
## 168            Right 05/09/1987  29               ST Medium / Medium
## 169            Right 04/13/1983  33               GK Medium / Medium
## 170            Right 06/03/1985  31            RB/CB Medium / Medium
## 171             Left 04/24/1987  29               CB   High / Medium
## 172            Right 06/20/1987  29               GK Medium / Medium
## 173            Right 09/10/1982  34               CB   High / Medium
## 174             Left 09/01/1989  27            ST/RW    Medium / Low
## 175            Right 12/22/1983  33               CB   Medium / High
## 176            Right 10/10/1986  30               CB Medium / Medium
## 177            Right 06/26/1987  29         LM/CM/CAM   High / Medium
## 178            Right 12/19/1985  31               CB Medium / Medium
## 179            Right 08/23/1984  32               CB   Medium / High
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## 180            Left 12/11/1984  32                LB   High / Medium
## 181           Right 11/05/1986  30                GK Medium / Medium
## 182           Right 01/12/1985  32            CAM/CF Medium / Medium
## 183            Left 03/07/1987  30            CAM/ST      High / Low
## 184           Right 04/19/1987  29                GK Medium / Medium
## 185           Right 01/09/1985  32                RB   High / Medium
## 186           Right 06/09/1984  32               CAM    Medium / Low
## 187           Right 11/17/1986  30          LW/CAM/LM   High / Medium
## 188           Right 01/16/1984  33             RB/RM     High / High
## 189           Right 10/24/1985  31            CAM/CM   Medium / High
## 190           Right 07/24/1983  33               CDM   Medium / High
## 191           Right 08/31/1982  34                GK Medium / Medium
## 192           Right 09/26/1983  33             RM/LM   High / Medium
## 193            Left 01/21/1996  21          CAM/LM/LW Medium / Medium
## 194            Left 08/10/1994  22            RM/CAM Medium / Medium
## 195           Right 06/18/1988  28                ST     High / High
## 196           Right 02/11/1996  21                CB Medium / Medium
## 197           Right 12/05/1995  21             LM/ST      High / Low
## 198           Right 04/11/1996  20            CAM/LM   High / Medium
## 199            Left 08/17/1993  23                GK Medium / Medium
## 200            Left 06/15/1992  24                RW   High / Medium
## 201           Right 04/10/1992  24                RW   High / Medium
## 202           Right 07/01/1991  25             RW/RM     High / High
## 203            Left 02/22/1989  28          CAM/ST/CF   Medium / High
## 204           Right 10/17/1991  25                CM Medium / Medium
## 205            Left 11/14/1993  23                CB     High / High
## 206           Right 01/08/1991  26                CB   Medium / High
## 207           Right 06/07/1989  27            CDM/CM     High / High
## 208           Right 06/22/1993  23                GK Medium / Medium
## 209           Right 03/11/1991  26             RB/CM   High / Medium
## 210           Right 07/08/1991  25                CB   High / Medium
## 211           Right 03/10/1993  24                GK Medium / Medium
## 212           Right 10/23/1992  24             ST/LW     High / High
## 213           Right 08/13/1992  24             RW/LW Medium / Medium
## 214           Right 09/29/1989  27                LM Medium / Medium
## 215            Left 08/10/1988  28                CB Medium / Medium
## 216           Right 10/15/1986  30             LW/LM      High / Low
## 217            Left 09/27/1992  24            CDM/CM Medium / Medium
## 218           Right 02/05/1992  25                CB   Medium / High
## 219           Right 10/01/1989  27            CM/CAM      High / Low
## 220           Right 10/06/1989  27             CM/LM   High / Medium
## 221           Right 12/24/1992  24                RB     High / High
## 222           Right 01/29/1990  27               CDM   Medium / High
## 223           Right 10/09/1990  26            CM/CDM     High / High
## 224           Right 07/05/1989  27                CB     High / High
## 225           Right 08/03/1987  29            CDM/CB      Low / High
## 226           Right 09/26/1989  27            CDM/CM   Medium / High
## 227            Left 01/25/1989  28                CB Medium / Medium
## 228            Left 08/25/1992  24             LB/CB   High / Medium
## 229            Left 10/10/1991  25             RM/LM   High / Medium
## 230           Right 02/20/1990  27                ST   High / Medium
## 231           Right 04/05/1991  25            RB/RWB   High / Medium
## 232           Right 01/16/1988  29            CDM/CM Medium / Medium
## 233            Left 01/01/1992  25            CM/CDM Medium / Medium
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## 234            Right 03/17/1989  28            CAM/CF Medium / Medium
## 235            Right 07/08/1990  26                GK Medium / Medium
## 236            Right 01/13/1988  29            LM/CAM Medium / Medium
## 237            Right 05/28/1990  26            RB/RWB   High / Medium
## 238             Left 06/07/1988  28                RM Medium / Medium
## 239             Left 07/23/1987  29            CDM/CM   Medium / High
## 240            Right 05/31/1990  26            CAM/RM   High / Medium
## 241            Right 09/09/1989  27            CAM/CF   High / Medium
## 242            Right 02/08/1990  27                LW Medium / Medium
## 243            Right 04/19/1989  27             LM/LW Medium / Medium
## 244            Right 06/17/1990  26            CDM/CM     High / High
## 245            Right 07/11/1985  31                GK Medium / Medium
## 246             Left 02/13/1990  27                CB   Medium / High
## 247            Right 12/27/1985  31                CB   Medium / High
## 248            Right 06/16/1986  30                GK Medium / Medium
## 249            Right 02/05/1986  31                CB   High / Medium
## 250            Right 03/17/1986  31                ST Medium / Medium
## 251            Right 10/11/1988  28                RB     High / High
## 252            Right 06/01/1988  28                ST    Medium / Low
## 253            Right 02/19/1987  30                CM Medium / Medium
## 254            Right 04/27/1989  27            CDM/CM     High / High
## 255            Right 01/12/1989  28            CM/CDM Medium / Medium
## 256            Right 11/08/1989  27            CDM/CM   Medium / High
## 257            Right 10/05/1987  29             LM/LW   High / Medium
## 258             Left 03/01/1989  28             RW/ST      High / Low
## 259             Left 12/01/1985  31                GK Medium / Medium
## 260            Right 08/04/1985  31                RB   High / Medium
## 261            Right 06/11/1987  29             CM/RM Medium / Medium
## 262            Right 02/10/1986  31                ST   High / Medium
## 263             Left 06/24/1985  31                GK Medium / Medium
## 264            Right 01/27/1987  30                GK Medium / Medium
## 265            Right 09/08/1986  30            CM/CAM   High / Medium
## 266             Left 07/16/1987  29            CM/CDM Medium / Medium
## 267            Right 06/06/1983  33            LM/CAM Medium / Medium
## 268            Right 08/07/1985  31                CB Medium / Medium
## 269            Right 01/30/1986  31            CDM/CM   Medium / High
## 270            Right 07/03/1987  29                GK Medium / Medium
## 271            Right 09/04/1985  31                CB    Low / Medium
## 272            Right 07/10/1985  31                ST   High / Medium
## 273            Right 07/10/1983  33            CM/CDM   Medium / High
## 274            Right 11/03/1981  35                GK Medium / Medium
## 275            Right 03/28/1985  32             CF/ST   High / Medium
## 276            Right 02/15/1988  29             LW/CF   High / Medium
## 277            Right 04/10/1984  32                CB   Medium / High
## 278            Right 08/29/1982  34                GK Medium / Medium
## 279            Right 04/22/1982  34            CAM/CF   High / Medium
## 280            Right 05/04/1985  31            CDM/CM   Medium / High
## 281            Right 12/03/1981  35                ST      High / Low
## 282            Right 01/14/1982  35                GK Medium / Medium
## 283            Right 09/29/1984  32                CB    Low / Medium
## 284             Left 05/15/1981  35             LB/LM   Medium / High
## 285            Right 11/25/1981  35            CDM/CM       Low / Low
## 286            Right 07/28/1981  35            CDM/CM      Low / High
## 287            Right 05/19/1979  37            CM/CDM       Low / Low
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## 288            Left 05/20/1981  35                GK Medium / Medium
## 289            Left 05/15/1997  19             RM/CAM      High / Low
## 290           Right 08/03/1994  22             CM/CDM   High / Medium
## 291           Right 11/16/1992  24             CM/CDM   High / Medium
## 292            Left 02/16/1994  23              RM/LM   High / Medium
## 293           Right 09/03/1995  21                CB Medium / Medium
## 294            Left 08/01/1994  22                RW   High / Medium
## 295           Right 08/18/1994  22            CDM/RM   High / Medium
## 296            Left 01/18/1995  22              RM/LM   Medium / High
## 297            Left 04/03/1995  21                CM   High / Medium
## 298           Right 02/06/1995  22            CM/CDM     High / High
## 299           Right 01/04/1992  25             RM/ST      High / Low
## 300           Right 12/20/1993  23                ST     High / High
## 301            Left 05/27/1990  26            LB/CDM Medium / Medium
## 302           Right 05/06/1994  22                CM   High / Medium
## 303           Right 09/01/1993  23                GK Medium / Medium
## 304           Right 07/29/1990  26             LM/RW   High / Medium
## 305           Right 12/20/1991  25                CM Medium / Medium
## 306            Left 01/26/1993  24             RW/RM   High / Medium
## 307           Right 10/02/1993  23                ST    Medium / Low
## 308            Left 05/17/1991  25                CB Medium / Medium
## 309            Left 11/19/1993  23                RW Medium / Medium
## 310           Right 03/13/1994  23             RM/LW      High / Low
## 311           Right 04/15/1993  23             RW/RM     High / High
## 312           Right 04/22/1989  27                GK Medium / Medium
## 313           Right 08/12/1990  26                ST     High / High
## 314            Left 09/10/1988  28                ST   High / Medium
## 315           Right 12/05/1993  23            CAM/CM Medium / Medium
## 316           Right 04/11/1991  25             ST/LM Medium / Medium
## 317           Right 01/15/1991  26                CB   High / Medium
## 318           Right 11/06/1990  26             LM/RM     High / High
## 319           Right 01/07/1991  26            CM/CAM     High / High
## 320           Right 11/24/1990  26                RB   High / Medium
## 321           Right 01/27/1986  31           RW/CM/LW   High / Medium
## 322           Right 11/24/1989  27                GK Medium / Medium
## 323            Left 03/09/1990  27            CB/CDM   Medium / High
## 324           Right 04/14/1989  27             RB/RW   High / Medium
## 325           Right 12/10/1988  28                ST    Medium / Low
## 326           Right 03/08/1989  28                CM   High / Medium
## 327           Right 04/16/1989  27            CM/CDM Medium / Medium
## 328           Right 09/16/1989  27                ST   High / Medium
## 329           Right 08/04/1988  28            CB/CDM Medium / Medium
## 330           Right 05/31/1989  27                ST    Medium / Low
## 331           Right 11/12/1990  26            CDM/CM   Medium / High
## 332           Right 05/04/1990  26            CDM/CM   Medium / High
## 333           Right 07/25/1988  28            CM/CDM Medium / Medium
## 334           Right 06/17/1990  26             CM/LM     High / High
## 335           Right 08/08/1988  28                RB Medium / Medium
## 336           Right 08/26/1988  28            CAM/CF   High / Medium
## 337           Right 08/12/1990  26                ST       Low / Low
## 338           Right 04/18/1990  26                GK Medium / Medium
## 339           Right 01/05/1988  29                ST     High / High
## 340           Right 05/30/1989  27                CM Medium / Medium
## 341           Right 12/03/1990  26                ST Medium / Medium
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## 342            Right 01/25/1985  32            CM/CDM   High / Medium
## 343            Right 08/14/1988  28               CDM      Low / High
## 344            Right 04/07/1987  29             CB/RB   Medium / High
## 345            Right 11/11/1990  26            CM/CAM     High / High
## 346            Right 03/17/1987  30                CB Medium / Medium
## 347            Right 03/26/1989  28                CB      Low / High
## 348            Right 01/02/1987  30                ST Medium / Medium
## 349            Right 06/25/1988  28             LB/RB     High / High
## 350             Left 05/13/1987  29                GK Medium / Medium
## 351             Left 12/28/1985  31                LB   High / Medium
## 352            Right 04/27/1989  27            CB/CDM   Medium / High
## 353            Right 09/28/1984  32            LW/CAM Medium / Medium
## 354            Right 08/28/1990  26            CAM/ST      High / Low
## 355            Right 04/10/1986  30                CM Medium / Medium
## 356            Right 02/28/1987  30            RW/CAM   High / Medium
## 357             Left 01/07/1987  30                CB      Low / High
## 358            Right 07/11/1986  30               CAM   High / Medium
## 359             Left 05/11/1989  27             CF/ST      High / Low
## 360             Left 03/04/1992  25             RM/LM   Medium / High
## 361            Right 10/04/1987  29                CB   Medium / High
## 362             Left 07/02/1990  26            LB/LWB   Medium / High
## 363            Right 02/08/1988  29            CM/CAM Medium / Medium
## 364            Right 12/15/1984  32                CB   Medium / High
## 365            Right 03/16/1989  28             RM/LM Medium / Medium
## 366            Right 02/14/1983  34                RB   High / Medium
## 367             Left 10/18/1983  33                CB Medium / Medium
## 368            Right 08/05/1985  31            LM/CAM    Medium / Low
## 369            Right 12/05/1985  31                ST Medium / Medium
## 370             Left 06/04/1985  31            ST/CAM    Medium / Low
## 371             Left 08/20/1985  31                ST Medium / Medium
## 372            Right 01/16/1985  32                RB     High / High
## 373            Right 05/01/1982  34                RB     High / High
## 374            Right 12/30/1981  35                GK Medium / Medium
## 375            Right 06/27/1981  35             ST/LW    Medium / Low
## 376             Left 10/29/1983  33             CB/LB   High / Medium
## 377            Right 02/18/1984  33                GK Medium / Medium
## 378            Right 04/02/1984  32                GK Medium / Medium
## 379            Right 09/29/1984  32                GK Medium / Medium
## 380            Right 10/07/1982  34                ST    Medium / Low
## 381             Left 08/28/1982  34               CDM Medium / Medium
## 382            Right 03/20/1984  33                ST Medium / Medium
## 383             Left 09/03/1979  37                GK Medium / Medium
## 384            Right 03/11/1978  39                ST    Medium / Low
## 385            Right 08/07/1983  33            LW/CAM   High / Medium
## 386            Right 12/07/1980  36                CB   Medium / High
## 387            Right 03/10/1981  36                ST      High / Low
## 388            Right 05/02/1981  35            CM/CDM Medium / Medium
## 389            Right 05/11/1995  21                RM   High / Medium
## 390             Left 01/11/1996  21             LM/RM   High / Medium
## 391            Right 09/08/1995  21            CDM/CM Medium / Medium
## 392             Left 07/18/1993  23            CAM/RW    Medium / Low
## 393            Right 07/19/1991  25            CM/CDM     High / High
## 394            Right 06/15/1994  22             RW/LW     High / High
## 395            Right 05/10/1992  24                GK Medium / Medium
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## 396            Right 03/08/1995  22             LW/ST      High / Low
## 397            Right 11/25/1991  25                CB   Medium / High
## 398             Left 11/12/1995  21             LM/RM   High / Medium
## 399            Right 06/13/1996  20             LW/RW    Medium / Low
## 400            Right 10/02/1992  24                GK Medium / Medium
## 401            Right 02/08/1995  22          CM/RB/CDM Medium / Medium
## 402            Right 05/02/1996  20            LM/CAM Medium / Medium
## 403            Right 09/17/1993  23            LW/CAM      High / Low
## 404            Right 10/24/1994  22             LM/RM     High / High
## 405            Right 07/29/1994  22                CB    Low / Medium
## 406             Left 12/22/1993  23             CM/LM Medium / Medium
## 407            Right 10/23/1993  23            CDM/RB Medium / Medium
## 408            Right 01/11/1987  30             ST/LM     High / High
## 409             Left 03/19/1993  24            CAM/RW   High / Medium
## 410            Right 10/23/1991  25            CAM/LM   High / Medium
## 411             Left 11/21/1994  22          CM/CAM/LM   Medium / High
## 412            Right 05/16/1989  27                CB Medium / Medium
## 413             Left 08/08/1989  27               CDM   Medium / High
## 414             Left 07/12/1995  21                LB   High / Medium
## 415            Right 08/26/1992  24             ST/RM Medium / Medium
## 416            Right 03/03/1993  24                CB   Medium / High
## 417             Left 03/28/1993  24                CB      Low / High
## 418            Right 01/06/1994  23             CM/RM Medium / Medium
## 419            Right 10/27/1994  22             CB/RB Medium / Medium
## 420             Left 01/28/1993  24                CB Medium / Medium
## 421            Right 03/19/1995  22                RB   High / Medium
## 422            Right 03/29/1993  24             CF/RM   High / Medium
## 423            Right 02/21/1993  24            CM/CAM     High / High
## 424            Right 04/17/1990  26                ST   High / Medium
## 425            Right 07/29/1992  24             LM/LW   High / Medium
## 426             Left 09/04/1992  24                LB   High / Medium
## 427             Left 02/12/1993  24             CM/RW Medium / Medium
## 428            Right 05/27/1992  24                CB   Medium / High
## 429            Right 12/21/1991  25               CAM   High / Medium
## 430            Right 07/29/1992  24             RB/LB     High / High
## 431            Right 01/18/1990  27             CB/RB Medium / Medium
## 432             Left 01/29/1988  29            CF/CAM Medium / Medium
## 433             Left 07/30/1992  24             ST/LW     High / High
## 434            Right 01/08/1991  26                CM   Medium / High
## 435             Left 10/24/1986  30            CM/CAM      High / Low
## 436            Right 02/07/1992  25             RB/CM Medium / Medium
## 437            Right 11/10/1992  24             RM/LM Medium / Medium
## 438             Left 11/26/1991  25            ST/CAM      High / Low
## 439            Right 09/19/1990  26            CDM/CM   Medium / High
## 440            Right 02/12/1991  26             RM/LM Medium / Medium
## 441            Right 10/07/1990  26                CB Medium / Medium
## 442            Right 09/23/1992  24            CM/CDM Medium / Medium
## 443             Left 08/03/1989  27                CB   High / Medium
## 444            Right 02/21/1992  25                CB   Medium / High
## 445            Right 01/31/1987  30                GK Medium / Medium
## 446            Right 07/19/1989  27                GK Medium / Medium
## 447            Right 06/22/1991  25             RB/CB   High / Medium
## 448             Left 02/21/1990  27            CAM/CM Medium / Medium
## 449            Right 02/25/1990  27            LW/CAM Medium / Medium
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## 450            Right 06/02/1990  26                GK Medium / Medium
## 451            Right 09/19/1990  26                RB     High / High
## 452            Right 02/08/1991  26             LM/CM Medium / Medium
## 453            Right 01/06/1993  24                RM   High / Medium
## 454            Right 03/10/1989  28               CDM      Low / High
## 455            Right 02/27/1993  24                GK Medium / Medium
## 456            Right 02/24/1992  25            CAM/CF Medium / Medium
## 457            Right 07/13/1990  26                RM   High / Medium
## 458            Right 10/27/1992  24                LW   High / Medium
## 459             Left 01/04/1990  27             RW/LW   Medium / High
## 460            Right 09/18/1987  29                GK Medium / Medium
## 461             Left 10/01/1991  25             CB/LB   High / Medium
## 462            Right 05/13/1991  25            CDM/CM   Medium / High
## 463             Left 01/22/1988  29                LB     High / High
## 464             Left 02/19/1990  27            CAM/CF   High / Medium
## 465             Left 10/12/1989  27            CAM/CM    Medium / Low
## 466            Right 02/09/1990  27             ST/LW   High / Medium
## 467            Right 04/08/1985  31            CM/CDM     High / High
## 468             Left 12/09/1988  28             CM/LM     High / High
## 469            Right 02/12/1989  28                GK Medium / Medium
## 470            Right 11/26/1990  26             ST/LM     High / High
## 471            Right 03/05/1990  27                CM Medium / Medium
## 472             Left 11/10/1985  31             CB/LB   Medium / High
## 473            Right 12/02/1989  27             LB/RB   Medium / High
## 474             Left 04/21/1988  28                RM     High / High
## 475            Right 07/26/1988  28             CF/LW   Medium / High
## 476             Left 05/23/1988  28                CB   High / Medium
## 477             Left 03/19/1988  29            CF/CAM   High / Medium
## 478             Left 03/12/1988  29                ST    Medium / Low
## 479            Right 03/31/1987  29         RM/CAM/ST Medium / Medium
## 480            Right 11/02/1989  27            ST/CAM   High / Medium
## 481            Right 11/24/1987  29             RM/RW   High / Medium
## 482            Right 02/22/1984  33             RB/CB   High / Medium
## 483            Right 11/15/1986  30             ST/LW   High / Medium
## 484            Right 10/02/1986  30                GK Medium / Medium
## 485             Left 02/26/1986  31                LB     High / High
## 486            Right 04/24/1987  29                CB Medium / Medium
## 487            Right 12/30/1986  30            CM/CDM   Medium / High
## 488             Left 12/17/1989  27             RM/LM   High / Medium
## 489            Right 07/03/1988  28                CB   Medium / High
## 490            Right 01/09/1987  30            CDM/CB   Medium / High
## 491            Right 03/06/1987  30            ST/CAM Medium / Medium
## 492             Left 01/17/1988  29                CB   Medium / High
## 493             Left 09/20/1986  30             LB/RB   High / Medium
## 494            Right 05/31/1989  27            CM/CAM Medium / Medium
## 495            Right 04/26/1987  29             RB/RM   High / Medium
## 496             Left 09/28/1986  30            CM/CDM     High / High
## 497            Right 04/04/1990  26            RM/CAM Medium / Medium
## 498             Left 08/05/1989  27                LB   High / Medium
## 499            Right 03/29/1986  31                CB   Medium / High
## 500            Right 01/12/1987  30                GK Medium / Medium
## 501            Right 01/14/1986  31            CM/CDM Medium / Medium
## 502             Left 02/23/1987  30                LB     High / High
## 503            Right 08/18/1984  32             RB/RM     High / High
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## 504            Right 10/14/1985  31                CB Medium / Medium
## 505            Right 02/15/1986  31                CB      Low / High
## 506            Right 04/18/1985  31                GK Medium / Medium
## 507             Left 04/03/1983  33                GK Medium / Medium
## 508            Right 08/06/1984  32                ST Medium / Medium
## 509            Right 04/16/1985  31                CB   High / Medium
## 510            Right 04/19/1990  26                CM     High / High
## 511            Right 04/08/1986  30                GK Medium / Medium
## 512            Right 09/10/1983  33            CAM/CM   High / Medium
## 513            Right 06/28/1984  32                GK Medium / Medium
## 514            Right 07/08/1983  33                GK Medium / Medium
## 515             Left 02/07/1983  34                GK Medium / Medium
## 516            Right 01/04/1986  31              LB/CM     High / High
## 517            Right 10/20/1983  33                GK Medium / Medium
## 518            Right 05/18/1984  32               CDM   Medium / High
## 519            Right 02/08/1983  34            CDM/CM     High / High
## 520            Right 03/03/1986  31            CDM/CB   Medium / High
## 521            Right 08/01/1984  32            CM/CDM Medium / Medium
## 522            Right 01/15/1985  32                GK Medium / Medium
## 523            Right 09/10/1983  33               CDM   Medium / High
## 524            Right 08/17/1982  34                CB   Medium / High
## 525            Right 03/28/1979  38                GK Medium / Medium
## 526             Left 08/06/1983  33            ST/CAM      High / Low
## 527             Left 02/23/1981  36               CDM   Medium / High
## 528            Right 09/27/1976  40             CF/ST Medium / Medium
## 529            Right 02/25/1999  18                GK Medium / Medium
## 530            Right 11/16/1993  23                RB   High / Medium
## 531            Right 04/11/1993  23                ST     High / High
## 532            Right 02/27/1995  22            CM/CAM   High / Medium
## 533            Right 03/28/1989  28                ST      High / Low
## 534            Right 05/29/1989  27            CM/CDM Medium / Medium
## 535            Right 07/17/1994  22                CB Medium / Medium
## 536            Right 02/10/1995  22            CM/CAM   High / Medium
## 537            Right 08/17/1994  22            CDM/CM Medium / Medium
## 538            Right 01/01/1996  21            CM/CDM   High / Medium
## 539            Right 04/04/1994  22                CB   Medium / High
## 540            Right 05/17/1993  23                LM   High / Medium
## 541            Right 05/01/1990  26               CDM   Medium / High
## 542            Right 09/01/1989  27                CB   Medium / High
## 543            Right 03/09/1995  22           ST/RM/RW    Medium / Low
## 544            Right 04/10/1996  20            CB/CDM Medium / Medium
## 545             Left 11/24/1994  22            CM/CDM Medium / Medium
## 546            Right 12/01/1990  26                GK Medium / Medium
## 547            Right 04/18/1995  21             ST/RW   High / Medium
## 548            Right 09/18/1995  21          CAM/CM/LM   High / Medium
## 549             Left 05/25/1995  21                LB   High / Medium
## 550            Right 05/05/1994  22                CM Medium / Medium
## 551             Left 04/22/1988  28             RM/LM   High / Medium
## 552            Right 02/02/1994  23                RB Medium / Medium
## 553            Right 05/27/1994  22          RB/RW/RWB   High / Medium
## 554             Left 01/12/1995  22                CB   Medium / High
## 555            Right 05/20/1994  22            CM/CAM Medium / Medium
## 556            Right 03/01/1990  27             RM/RB      High / Low
## 557            Right 10/06/1993  23            RB/RWB     High / High
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## 558            Right 11/10/1994  22             CM/RM Medium / Medium
## 559             Left 11/01/1992  24             LM/RM   High / Medium
## 560            Right 01/12/1994  23             CM/CB   Medium / High
## 561            Right 01/19/1994  23            CB/CDM Medium / Medium
## 562            Right 12/05/1993  23                ST      High / Low
## 563            Right 10/03/1994  22                GK Medium / Medium
## 564             Left 05/27/1994  22            CM/CDM   High / Medium
## 565            Right 03/10/1993  24             ST/RM   High / Medium
## 566             Left 12/26/1990  26             LM/LW      High / Low
## 567            Right 02/17/1990  27                RM Medium / Medium
## 568            Right 09/08/1992  24            CAM/LW   High / Medium
## 569            Right 03/23/1992  25                CM   High / Medium
## 570             Left 02/28/1994  23                ST Medium / Medium
## 571             Left 03/01/1993  24             LB/LM   High / Medium
## 572            Right 01/10/1992  25                RB   High / Medium
## 573            Right 08/31/1987  29                CB   Medium / High
## 574            Right 05/28/1994  22                CB   High / Medium
## 575            Right 08/03/1992  24                CB Medium / Medium
## 576             Left 06/25/1991  25                ST   High / Medium
## 577            Right 12/22/1993  23                CM Medium / Medium
## 578            Right 03/03/1992  25            CDM/CM      Low / High
## 579            Right 02/13/1994  23             LM/LW      High / Low
## 580            Right 02/26/1993  24             LM/RM    Medium / Low
## 581            Right 09/12/1991  25                RB     High / High
## 582            Right 01/15/1994  23            CB/CDM   Medium / High
## 583            Right 02/22/1989  28                CB Medium / Medium
## 584            Right 09/10/1991  25             ST/LW Medium / Medium
## 585             Left 12/02/1990  26            CAM/RM Medium / Medium
## 586             Left 02/01/1991  26                LB   High / Medium
## 587            Right 11/22/1990  26                CB      Low / High
## 588            Right 08/08/1990  26            CM/CDM     High / High
## 589            Right 08/31/1991  25            RB/RWB   High / Medium
## 590            Right 01/17/1990  27                CB      Low / High
## 591             Left 04/26/1991  25                GK Medium / Medium
## 592             Left 07/20/1993  23                LB   High / Medium
## 593            Right 08/30/1993  23                ST   High / Medium
## 594            Right 07/08/1992  24             LM/RM     High / High
## 595             Left 08/31/1988  28            CM/CDM Medium / Medium
## 596             Left 05/20/1991  25         CAM/LM/CM Medium / Medium
## 597            Right 08/26/1989  27                CM     High / High
## 598             Left 11/20/1988  28            LM/CAM Medium / Medium
## 599            Right 07/15/1991  25             RB/LB   High / Medium
## 600             Left 05/11/1992  24            RM/CAM   High / Medium
## 601            Right 08/15/1993  23             RM/LM   High / Medium
## 602            Right 09/16/1989  27            CM/CDM     High / High
## 603            Right 05/20/1991  25                CB   Medium / High
## 604             Left 09/12/1992  24            CM/CDM   High / Medium
## 605             Left 03/21/1989  28               CAM Medium / Medium
## 606            Right 01/15/1988  29             LM/RM Medium / Medium
## 607            Right 11/13/1991  25                CB Medium / Medium
## 608            Right 11/23/1991  25            ST/CAM    Medium / Low
## 609            Right 02/08/1991  26             LM/RM   High / Medium
## 610            Right 12/27/1991  25             RM/RW   Medium / High
## 611            Right 06/12/1987  29                CB Medium / Medium
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## 612            Right 06/05/1991  25             ST/LM     High / High
## 613             Left 03/18/1988  29             LB/LM     High / High
## 614            Right 03/29/1987  30             RM/LW   High / Medium
## 615             Left 09/02/1989  27             LB/LM   High / Medium
## 616             Left 12/28/1990  26            LWB/LB     High / High
## 617             Left 03/13/1989  28             CB/LB Medium / Medium
## 618            Right 11/11/1985  31            CDM/CM   Medium / High
## 619            Right 02/26/1987  30            CM/CDM   Medium / High
## 620            Right 01/06/1991  26                GK Medium / Medium
## 621            Right 03/08/1990  27            CM/CDM   Medium / High
## 622            Right 09/29/1991  25             LW/RW   High / Medium
## 623             Left 02/13/1991  26                CB   Medium / High
## 624             Left 02/16/1991  26            CAM/LW   High / Medium
## 625             Left 02/29/1988  29                LB   High / Medium
## 626            Right 07/09/1990  26                RB   High / Medium
## 627            Right 02/28/1990  27           CM/RB/RM Medium / Medium
## 628            Right 03/06/1989  28                ST Medium / Medium
## 629            Right 03/06/1991  26                CB Medium / Medium
## 630            Right 02/15/1993  24            CAM/LM Medium / Medium
## 631            Right 06/25/1991  25            CDM/CM   Medium / High
## 632            Right 03/06/1990  27            CDM/CB   Medium / High
## 633            Right 03/27/1990  27                CB Medium / Medium
## 634            Right 08/11/1988  28                GK Medium / Medium
## 635            Right 12/31/1987  29                ST    Medium / Low
## 636            Right 09/17/1988  28             RW/LW Medium / Medium
## 637            Right 08/22/1988  28                ST   High / Medium
## 638            Right 09/20/1988  28                CB Medium / Medium
## 639            Right 06/29/1990  26            CDM/CM Medium / Medium
## 640             Left 09/26/1989  27                LB   High / Medium
## 641            Right 06/23/1986  30             RB/RM Medium / Medium
## 642            Right 12/26/1989  27             RW/RM   High / Medium
## 643            Right 07/25/1987  29            CDM/CM   Medium / High
## 644            Right 07/18/1987  29            CDM/CM   Medium / High
## 645            Right 02/10/1986  31                GK Medium / Medium
## 646            Right 08/16/1989  27            RM/CAM   High / Medium
## 647            Right 06/08/1984  32                RB   High / Medium
## 648            Right 06/23/1989  27                CB   High / Medium
## 649            Right 11/19/1988  28               CDM Medium / Medium
## 650             Left 05/11/1986  30            CDM/CM Medium / Medium
## 651            Right 12/17/1987  29                GK Medium / Medium
## 652            Right 01/24/1986  31             RM/RB   High / Medium
## 653            Right 12/11/1987  29             LM/RB Medium / Medium
## 654            Right 05/25/1985  31             ST/LW   High / Medium
## 655             Left 08/18/1985  31            LM/CAM Medium / Medium
## 656            Right 08/17/1986  30             ST/CF      High / Low
## 657            Right 06/25/1986  30               CDM   Medium / High
## 658            Right 08/31/1988  28                GK Medium / Medium
## 659            Right 02/04/1985  32          LW/CAM/CF      High / Low
## 660             Left 08/07/1986  30               CAM Medium / Medium
## 661            Right 05/15/1986  30             CM/CF Medium / Medium
## 662             Left 06/23/1987  29                CB Medium / Medium
## 663            Right 03/06/1988  29                GK Medium / Medium
## 664            Right 02/22/1987  30                GK Medium / Medium
## 665             Left 12/30/1986  30             LB/CB   High / Medium
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## 666            Left 11/05/1986  30                CB   Medium / High
## 667           Right 01/19/1986  31             ST/LM   High / Medium
## 668           Right 05/01/1986  30               CAM   High / Medium
## 669            Left 09/05/1988  28            CDM/CM Medium / Medium
## 670           Right 01/02/1988  29             CB/LB    Low / Medium
## 671           Right 05/10/1984  32                CB    Low / Medium
## 672           Right 01/19/1984  33                CB Medium / Medium
## 673            Left 10/22/1986  30             LB/CB   Medium / High
## 674            Left 03/20/1985  32                CB Medium / Medium
## 675            Left 02/01/1987  30                ST      High / Low
## 676           Right 02/26/1985  32                ST Medium / Medium
## 677           Right 08/06/1985  31                ST      High / Low
## 678           Right 07/28/1985  31                RB   High / Medium
## 679           Right 04/02/1986  30         CAM/LM/CDM Medium / Medium
## 680           Right 10/26/1984  32                RM    Medium / Low
## 681           Right 02/05/1986  31            CAM/CDM    Medium / Low
## 682           Right 02/14/1987  30                CB    Low / Medium
## 683           Right 03/09/1983  34            CAM/ST Medium / Medium
## 684           Right 07/31/1987  29            CDM/CM   Medium / High
## 685           Right 07/11/1986  30            CAM/LW      High / Low
## 686           Right 09/13/1977  39                CB     High / High
## 687           Right 01/16/1984  33               CAM    Medium / Low
## 688            Left 07/26/1985  31                LB Medium / Medium
## 689           Right 08/12/1983  33                ST Medium / Medium
## 690           Right 02/13/1981  36                CB    Low / Medium
## 691           Right 06/20/1982  34                CB   Medium / High
## 692           Right 05/17/1984  32               CDM   Medium / High
## 693           Right 07/19/1984  32                RM   High / Medium
## 694           Right 11/21/1985  31                RM Medium / Medium
## 695           Right 08/29/1983  33             CM/RW Medium / Medium
## 696           Right 01/04/1984  33            CDM/CB   Medium / High
## 697           Right 02/18/1984  33                GK Medium / Medium
## 698           Right 03/02/1983  34                ST     High / High
## 699           Right 07/13/1985  31                GK Medium / Medium
## 700           Right 11/27/1981  35                CB Medium / Medium
## 701           Right 07/15/1985  31                ST      High / Low
## 702           Right 09/08/1983  33                GK Medium / Medium
## 703            Left 04/28/1987  29                RM   High / Medium
## 704            Left 08/27/1981  35                LB Medium / Medium
## 705            Left 08/24/1982  34            CM/CDM Medium / Medium
## 706           Right 03/06/1979  38                GK Medium / Medium
## 707           Right 01/29/1988  29                GK Medium / Medium
## 708           Right 10/31/1997  19             ST/RM      High / Low
## 709            Left 02/01/1994  23               CAM Medium / Medium
## 710           Right 04/03/1997  19             ST/CF     High / High
## 711            Left 04/21/1997  19             LW/ST   High / Medium
## 712           Right 11/06/1995  21                ST   High / Medium
## 713           Right 01/17/1991  26                ST     High / High
## 714           Right 02/06/1993  24            CM/CDM   High / Medium
## 715            Left 10/28/1991  25                LM   Medium / High
## 716           Right 04/17/1997  19                CB    Medium / Low
## 717            Left 07/09/1991  25             LM/RM   High / Medium
## 718           Right 03/04/1996  21             ST/LM   High / Medium
## 719           Right 03/29/1986  31                CM     High / High
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## 720            Right 07/07/1992  24                LW   High / Medium
## 721            Right 03/27/1993  24            CDM/RM   Medium / High
## 722             Left 11/20/1995  21             LW/RW Medium / Medium
## 723            Right 02/22/1980  37                GK Medium / Medium
## 724            Right 07/23/1987  29             LM/RM Medium / Medium
## 725             Left 07/20/1993  23                LB   High / Medium
## 726            Right 06/19/1991  25             ST/LW Medium / Medium
## 727            Right 06/11/1992  24             RB/RM     High / High
## 728            Right 08/24/1992  24                CB Medium / Medium
## 729            Right 10/08/1992  24                ST   High / Medium
## 730            Right 04/01/1991  25                ST Medium / Medium
## 731            Right 01/28/1995  22            CM/CAM   High / Medium
## 732            Right 08/16/1993  23             CB/RB Medium / Medium
## 733             Left 12/15/1992  24                LB   High / Medium
## 734            Right 03/06/1996  21                ST Medium / Medium
## 735            Right 08/13/1990  26             ST/RM   Medium / High
## 736            Right 01/01/1992  25                CB   Medium / High
## 737             Left 05/09/1992  24                RW Medium / Medium
## 738             Left 09/20/1995  21                LB   High / Medium
## 739             Left 11/15/1992  24                CB Medium / Medium
## 740            Right 12/19/1990  26                GK Medium / Medium
## 741            Right 01/15/1992  25             RB/CB   Medium / High
## 742             Left 06/20/1993  23             LB/LM   Medium / High
## 743            Right 02/26/1990  27            CDM/CM   Medium / High
## 744            Right 01/11/1993  24                CB Medium / Medium
## 745            Right 12/15/1992  24            RM/CAM   High / Medium
## 746             Left 09/15/1990  26            CB/CDM     High / High
## 747            Right 11/14/1989  27             CB/RB Medium / Medium
## 748             Left 04/24/1993  23             LB/CB   Medium / High
## 749            Right 12/02/1984  32            RM/CAM     High / High
## 750             Left 01/09/1985  32                CB    Low / Medium
## 751            Right 06/04/1988  28             LM/RM Medium / Medium
## 752            Right 05/05/1991  25                ST   High / Medium
## 753             Left 02/10/1992  25            RM/CAM   High / Medium
## 754             Left 05/27/1991  25                LB   High / Medium
## 755            Right 12/19/1994  22             LW/ST   High / Medium
## 756            Right 02/19/1991  26            CDM/CM     High / High
## 757            Right 10/16/1992  24            CAM/LW      High / Low
## 758             Left 12/25/1988  28          LM/LW/LB   High / Medium
## 759            Right 06/14/1991  25            RM/LM   High / Medium
## 760            Right 10/27/1987  29                CB   Medium / High
## 761            Right 08/17/1993  23            CDM/CM    Low / Medium
## 762            Right 08/25/1990  26            CB/CDM   Medium / High
## 763            Right 02/25/1989  28            CM/CDM   Medium / High
## 764            Right 03/16/1988  29                GK Medium / Medium
## 765            Right 06/03/1991  25                ST   High / Medium
## 766            Right 08/02/1989  27            LM/CAM Medium / Medium
## 767            Right 08/19/1991  25             RM/LM    Medium / Low
## 768            Right 05/24/1990  26                CB Medium / Medium
## 769            Right 10/11/1990  26            CDM/CM     High / High
## 770            Right 01/15/1991  26                ST   High / Medium
## 771            Right 04/15/1992  24                ST   High / Medium
## 772             Left 02/08/1992  25                CB   Medium / High
## 773            Right 06/27/1991  25            CM/CDM   Medium / High
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## 774            Right 04/17/1989  27            CM/CDM Medium / Medium
## 775            Right 04/08/1992  24                GK Medium / Medium
## 776            Right 03/05/1991  26                ST   High / Medium
## 777             Left 08/06/1989  27              CB/LB     High / High
## 778            Right 09/08/1988  28                CB Medium / Medium
## 779            Right 02/22/1986  31            CM/CDM Medium / Medium
## 780            Right 05/17/1985  31                ST    Medium / Low
## 781            Right 01/24/1988  29            LW/CAM     High / High
## 782            Right 07/05/1989  27                ST   High / Medium
## 783            Right 08/25/1992  24                ST    Medium / Low
## 784            Right 02/26/1990  27                ST     High / High
## 785            Right 02/25/1989  28              RM/LM   High / Medium
## 786             Left 09/03/1991  25                CM     High / High
## 787            Right 09/02/1991  25                CM   Medium / High
## 788            Right 06/07/1991  25                ST   High / Medium
## 789             Left 06/25/1992  24                GK Medium / Medium
## 790            Right 05/05/1985  31              LW/CM   High / Medium
## 791            Right 05/10/1988  28              LB/RB Medium / Medium
## 792            Right 09/23/1991  25            CB/CDM Medium / Medium
## 793             Left 11/14/1989  27                CB Medium / Medium
## 794            Right 03/22/1987  30            CB/CDM Medium / Medium
## 795             Left 01/20/1992  25              RM/LM      High / Low
## 796            Right 07/26/1987  29              ST/CF Medium / Medium
## 797            Right 05/27/1988  28            CDM/CM   High / Medium
## 798            Right 03/28/1990  27              ST/RM     High / High
## 799            Right 10/31/1987  29                CB    Low / Medium
## 800            Right 01/02/1988  29               CDM   Medium / High
## 801            Right 03/25/1990  27           CAM/CDM   High / Medium
## 802            Right 12/19/1992  24            LW/CAM   High / Medium
## 803            Right 12/14/1987  29              RW/LW   High / Medium
## 804             Left 03/10/1989  28                GK Medium / Medium
## 805            Right 05/24/1989  27              RM/LM     High / High
## 806            Right 12/19/1986  30                RB   High / Medium
## 807            Right 01/18/1986  31              CM/LM     High / High
## 808             Left 03/23/1991  26            CAM/RM Medium / Medium
## 809            Right 08/21/1990  26            CM/CAM   High / Medium
## 810            Right 01/27/1987  30           CDM/CAM     High / High
## 811            Right 07/10/1989  27                CB Medium / Medium
## 812            Right 12/16/1987  29              ST/LM Medium / Medium
## 813            Right 01/01/1988  29                GK Medium / Medium
## 814            Right 09/01/1989  27              LM/LW     High / High
## 815             Left 06/13/1986  30            RW/CAM   Medium / High
## 816            Right 07/11/1989  27                CB   Medium / High
## 817            Right 07/21/1989  27            CAM/LM   High / Medium
## 818            Right 10/26/1987  29            CAM/LM      High / Low
## 819            Right 03/14/1990  27            CM/CDM Medium / Medium
## 820             Left 06/12/1988  28                CB   Medium / High
## 821             Left 07/01/1989  27              RM/RW   High / Medium
## 822            Right 11/29/1987  29                ST Medium / Medium
## 823             Left 03/31/1989  27              LM/LW   High / Medium
## 824            Right 03/23/1989  28              LM/ST Medium / Medium
## 825            Right 01/15/1988  29                CB Medium / Medium
## 826            Right 12/10/1988  28                CB Medium / Medium
## 827             Left 11/21/1989  27                CM     High / High
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## 828            Right 06/18/1987  29              ST/RM   High / Medium
## 829            Right 06/29/1988  28                 ST   High / Medium
## 830            Right 06/21/1990  26              CB/RB Medium / Medium
## 831             Left 12/23/1986  30              LM/RM Medium / Medium
## 832             Left 01/06/1989  28                 ST   Medium / High
## 833            Right 09/30/1988  28             CAM/CM    Medium / Low
## 834            Right 03/29/1988  29                 CB      Low / High
## 835            Right 04/12/1987  29                 ST   High / Medium
## 836            Right 12/12/1985  31                 GK Medium / Medium
## 837            Right 01/24/1989  28             CM/CDM Medium / Medium
## 838            Right 05/11/1988  28                 CM     High / High
## 839            Right 07/11/1988  28             CDM/CM Medium / Medium
## 840            Right 05/18/1988  28              CB/RB Medium / Medium
## 841            Right 09/30/1986  30                 CB    Low / Medium
## 842            Right 11/22/1985  31                 ST Medium / Medium
## 843            Right 11/22/1987  29             CM/CDM Medium / Medium
## 844            Right 02/10/1986  31                 GK Medium / Medium
## 845            Right 01/22/1986  31              ST/RW Medium / Medium
## 846            Right 02/23/1987  30                 RB Medium / Medium
## 847             Left 12/10/1981  35                 CB      Low / High
## 848            Right 11/24/1986  30              RM/LM      High / Low
## 849            Right 09/26/1987  29              CM/LM     High / High
## 850             Left 02/11/1987  30              LB/LM   High / Medium
## 851            Right 12/12/1990  26             RWB/LM Medium / Medium
## 852            Right 07/19/1986  30              CM/LW Medium / Medium
## 853            Right 03/17/1988  29                 GK Medium / Medium
## 854            Right 05/27/1986  30              CM/RW Medium / Medium
## 855            Right 10/07/1987  29            CDM/CAM     High / High
## 856            Right 02/24/1987  30              CM/CB   Medium / High
## 857            Right 04/15/1988  28                 CM Medium / Medium
## 858             Left 04/19/1988  28                CAM    Medium / Low
## 859             Left 04/03/1988  28                 GK Medium / Medium
## 860            Right 06/25/1989  27             CDM/CM   Medium / High
## 861            Right 01/10/1986  31                 GK Medium / Medium
## 862            Right 09/07/1985  31              RB/CB Medium / Medium
## 863             Left 11/30/1986  30                 CB   Medium / High
## 864            Right 11/12/1986  30                 RB   High / Medium
## 865            Right 03/17/1988  29                 CM Medium / Medium
## 866            Right 10/26/1986  30                 ST Medium / Medium
## 867            Right 12/14/1985  31              RM/RB     High / High
## 868             Left 10/26/1984  32                 LB   High / Medium
## 869            Right 04/15/1986  30                 GK Medium / Medium
## 870            Right 10/22/1982  34                 CB   Medium / High
## 871            Right 01/27/1985  32                 CM   Medium / High
## 872            Right 02/08/1987  30                CDM   Medium / High
## 873            Right 07/15/1986  30                 CB Medium / Medium
## 874            Right 01/18/1985  32             CDM/CM Medium / Medium
## 875            Right 01/31/1983  34                 ST Medium / Medium
## 876            Right 06/29/1986  30              LM/CM    Medium / Low
## 877            Right 05/03/1985  31              LW/RW   High / Medium
## 878            Right 08/14/1985  31             CM/CDM     High / High
## 879            Right 08/05/1985  31                 CB   Medium / High
## 880             Left 11/14/1985  31              CB/LB   High / Medium
## 881            Right 02/05/1982  35                 ST     High / High
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## 882            Right 06/16/1987  29            CDM/CM     High / High
## 883            Right 07/09/1985  31             LM/RB     High / High
## 884            Right 05/08/1987  29            CM/CDM     High / High
## 885            Right 04/16/1987  29                RM   High / Medium
## 886            Right 10/31/1983  33                RB   High / Medium
## 887            Right 09/19/1980  36                GK Medium / Medium
## 888            Right 05/27/1985  31                ST    Medium / Low
## 889             Left 10/24/1985  31             LB/LM Medium / Medium
## 890            Right 01/04/1985  32                RB     High / High
## 891            Right 06/19/1985  31            CM/CAM     High / High
## 892             Left 10/30/1985  31                CB   High / Medium
## 893            Right 09/28/1981  35                GK Medium / Medium
## 894            Right 06/11/1984  32                ST   High / Medium
## 895            Right 08/18/1984  32                CB   Medium / High
## 896            Right 02/15/1981  36                GK Medium / Medium
## 897            Right 12/20/1980  36                CB    Low / Medium
## 898            Right 02/10/1985  32            CM/CDM   Medium / High
## 899            Right 01/17/1983  34            ST/CAM    Low / Medium
## 900            Right 07/14/1979  37                CB   Medium / High
## 901             Left 09/01/1983  33            RM/CAM    Medium / Low
## 902            Right 11/30/1984  32            CDM/CM   Medium / High
## 903            Right 11/22/1982  34           CDM/CAM Medium / Medium
## 904            Right 07/21/1981  35             RM/ST   High / Medium
## 905            Right 10/03/1978  38            ST/CAM    Medium / Low
## 906            Right 02/14/1980  37                CB   Medium / High
## 907            Right 08/27/1981  35                CB      Low / High
## 908            Right 12/20/1998  18                ST   High / Medium
## 909            Right 01/23/1999  18                GK Medium / Medium
## 910            Right 08/18/1997  19                CM     High / High
## 911            Right 02/29/1992  25             ST/CF Medium / Medium
## 912            Right 02/29/1992  25            CDM/CM     High / High
## 913            Right 02/29/1988  29             RB/CM Medium / Medium
## 914            Right 02/29/1992  25             ST/CF      High / Low
## 915             Left 02/29/1984  33            CAM/CF   High / Medium
## 916            Right 02/29/1984  33             RB/RM   High / Medium
## 917             Left 02/29/1988  29             LB/LM   High / Medium
## 918             Left 02/29/1988  29             LB/LM     High / High
## 919            Right 02/29/1988  29                GK Medium / Medium
## 920            Right 12/28/1995  21                CB   High / Medium
## 921             Left 09/08/1993  23            LB/LWB   High / Medium
## 922            Right 06/19/1996  20                CM Medium / Medium
## 923            Right 01/24/1995  22             CB/RB   Medium / High
## 924             Left 06/15/1994  22                ST     High / High
## 925            Right 02/22/1996  21          CM/CAM/RM Medium / Medium
## 926            Right 01/30/1995  22            CDM/CM Medium / Medium
## 927            Right 05/29/1989  27                GK Medium / Medium
## 928            Right 10/27/1996  20            CAM/LM Medium / Medium
## 929            Right 10/28/1995  21            CM/CDM   Medium / High
## 930            Right 01/05/1997  20                CB      Low / High
## 931            Right 01/23/1990  27                RB   High / Medium
## 932             Left 05/26/1994  22             LM/RM   High / Medium
## 933             Left 02/26/1997  20             RM/RW Medium / Medium
## 934            Right 02/11/1995  22                RB   High / Medium
## 935            Right 08/07/1996  20         CM/CDM/CAM Medium / Medium
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## 936            Right 07/30/1995  21              LW/RW   High / Medium
## 937            Right 03/27/1994  23                 GK Medium / Medium
## 938            Right 10/27/1990  26             CAM/CM   High / Medium
## 939            Right 02/07/1994  23             RM/RWB     High / High
## 940            Right 06/12/1996  20                 CB   Medium / High
## 941            Right 08/24/1991  25             CM/CDM   Medium / High
## 942            Right 02/13/1995  22                 LM      High / Low
## 943            Right 07/09/1995  21              ST/LW   High / Medium
## 944             Left 03/06/1994  23                 CB Medium / Medium
## 945            Right 11/23/1991  25                 CB Medium / Medium
## 946            Right 10/14/1994  22                 CB Medium / Medium
## 947            Right 05/07/1997  19             CM/CAM Medium / Medium
## 948             Left 06/18/1996  20             CAM/RM      High / Low
## 949            Right 05/26/1990  26                 GK Medium / Medium
## 950            Right 03/05/1993  24              RB/RM     High / High
## 951            Right 06/09/1992  24                 RB   High / Medium
## 952            Right 08/10/1985  31                 CM   Medium / High
## 953            Right 05/17/1990  26                 ST      High / Low
## 954            Right 06/03/1990  26                CDM   Medium / High
## 955            Right 05/21/1993  23             CDM/CM    Low / Medium
## 956             Left 01/15/1989  28                 LB   High / Medium
## 957            Right 10/16/1986  30                 GK Medium / Medium
## 958            Right 11/15/1989  27             CDM/CM   Medium / High
## 959            Right 08/17/1990  26              RW/RM   High / Medium
## 960            Right 01/01/1995  22                 ST    Medium / Low
## 961             Left 08/19/1993  23              CF/ST    Medium / Low
## 962            Right 03/24/1993  24              ST/LW   High / Medium
## 963            Right 07/11/1992  24             CDM/CM   Medium / High
## 964            Right 09/01/1993  23             CM/CDM Medium / Medium
## 965             Left 02/01/1994  23             CAM/CM   High / Medium
## 966            Right 09/08/1994  22             CAM/CF   High / Medium
## 967            Right 04/07/1994  22             CM/CDM Medium / Medium
## 968             Left 07/03/1993  23             CAM/ST   High / Medium
## 969             Left 08/31/1992  24                 LB   High / Medium
## 970            Right 02/04/1988  29              LM/ST   High / Medium
## 971             Left 11/02/1992  24             RM/CAM      High / Low
## 972             Left 03/27/1990  27             CDM/CM Medium / Medium
## 973             Left 01/18/1993  24                CAM    Medium / Low
## 974            Right 03/03/1994  23              LB/CB   High / Medium
## 975            Right 02/09/1995  22             LM/CAM   High / Medium
## 976             Left 10/13/1988  28              LM/LW   High / Medium
## 977            Right 05/11/1993  23                 ST     High / High
## 978            Right 03/08/1991  26             CAM/CM Medium / Medium
## 979             Left 05/18/1992  24                 GK Medium / Medium
## 980            Right 04/10/1993  23                 LW Medium / Medium
## 981             Left 07/02/1994  22              LB/LM   High / Medium
## 982            Right 06/13/1989  27                CDM   Medium / High
## 983             Left 09/18/1993  23          CAM/ST/CM Medium / Medium
## 984             Left 04/07/1992  24                 ST   High / Medium
## 985            Right 05/12/1992  24              LB/RB   High / Medium
## 986            Right 05/12/1990  26             CDM/CB Medium / Medium
## 987             Left 02/19/1989  28                 LB Medium / Medium
## 988            Right 06/29/1994  22             CDM/CM Medium / Medium
## 989            Right 03/17/1989  28              CM/RM Medium / Medium
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## 990          Right 04/21/1994  22          RB/RM   High / Medium
## 991           Left 08/15/1993  23             CB Medium / Medium
## 992          Right 07/14/1995  21          LM/RM   High / Medium
## 993           Left 03/30/1994  23             LB   High / Medium
## 994          Right 11/26/1988  28             ST   High / Medium
## 995           Left 01/01/1989  28          CB/LB Medium / Medium
## 996          Right 06/22/1994  22             ST    Medium / Low
## 997          Right 04/09/1989  27          CM/RM   High / Medium
## 998          Right 04/14/1989  27          CB/RB   Medium / High
## 999          Right 07/27/1989  27             CB   Medium / High
## 1000          Left 07/17/1994  22             LB   High / Medium
## 1001         Right 11/03/1992  24             CB   Medium / High
## 1002         Right 10/22/1992  24         CM/CDM Medium / Medium
## 1003         Right 05/26/1988  28             CB Medium / Medium
## 1004         Right 08/11/1992  24             CB   Medium / High
## 1005         Right 03/29/1989  28             GK Medium / Medium
## 1006          Left 01/24/1991  26             ST Medium / Medium
## 1007         Right 04/25/1992  24         RWB/RB   High / Medium
## 1008          Left 01/03/1995  22         CM/CAM   Medium / High
## 1009          Left 02/14/1994  23          LB/CB   Medium / High
## 1010         Right 12/19/1993  23          LM/RM Medium / Medium
## 1011         Right 01/08/1990  27             CB   Medium / High
## 1012         Right 03/09/1993  24         CM/CDM     High / High
## 1013         Right 08/25/1988  28             CB Medium / Medium
## 1014         Right 01/11/1991  26         CDM/CM Medium / Medium
## 1015         Right 03/25/1992  25         CAM/RW   High / Medium
## 1016         Right 10/14/1992  24          ST/LM     High / High
## 1017         Right 03/01/1993  24         CM/CAM Medium / Medium
## 1018         Right 10/09/1989  27         CB/CDM     High / High
## 1019         Right 02/09/1986  31             GK Medium / Medium
## 1020          Left 07/05/1992  24          LW/RW   High / Medium
## 1021         Right 10/22/1991  25          CB/RB   High / Medium
## 1022          Left 01/11/1990  27             LB Medium / Medium
## 1023         Right 01/08/1991  26          ST/RM   High / Medium
## 1024         Right 05/08/1987  29             GK Medium / Medium
## 1025         Right 10/27/1983  33         ST/CAM   High / Medium
## 1026          Left 08/24/1991  25          ST/RM   Medium / High
## 1027         Right 01/13/1990  27             ST Medium / Medium
## 1028         Right 05/31/1993  23         CDM/CM Medium / Medium
## 1029         Right 12/01/1992  24             CM   High / Medium
## 1030         Right 07/08/1990  26          LW/ST   High / Medium
## 1031          Left 03/05/1991  26             CB Medium / Medium
## 1032         Right 05/14/1994  22         CAM/RM Medium / Medium
## 1033         Right 06/28/1992  24             CB   High / Medium
## 1034         Right 12/23/1990  26             RB   High / Medium
## 1035         Right 01/23/1992  25         CDM/CM   Medium / High
## 1036          Left 06/04/1993  23             RW Medium / Medium
## 1037         Right 04/18/1991  25             ST      High / Low
## 1038         Right 01/22/1992  25             ST   High / Medium
## 1039         Right 06/23/1992  24            CDM   Medium / High
## 1040         Right 09/28/1992  24         CAM/LM      High / Low
## 1041          Left 08/19/1990  26          CB/LB   Medium / High
## 1042         Right 08/24/1991  25             CB Medium / Medium
## 1043          Left 03/06/1991  26          ST/LW      High / Low
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## 1044          Right 08/13/1990  26            CDM/CM   Medium / High
## 1045          Right 03/21/1992  25            CB/CDM    Low / Medium
## 1046          Right 04/04/1989  27            CAM/LW     High / High
## 1047           Left 12/01/1988  28                CB Medium / Medium
## 1048           Left 12/21/1990  26            CAM/CF    Medium / Low
## 1049          Right 07/23/1992  24                ST     High / High
## 1050          Right 01/21/1986  31                RB Medium / Medium
## 1051           Left 07/16/1991  25             RM/LM      High / Low
## 1052          Right 04/14/1991  25             RB/LB   High / Medium
## 1053          Right 04/16/1986  30             ST/CF     High / High
## 1054          Right 04/08/1991  25            CAM/RM   High / Medium
## 1055          Right 10/05/1989  27                CB Medium / Medium
## 1056           Left 11/04/1987  29             CB/RB   Medium / High
## 1057          Right 06/27/1991  25                CB Medium / Medium
## 1058          Right 03/20/1991  26                ST    Medium / Low
## 1059          Right 07/04/1987  29                CB   Medium / High
## 1060          Right 05/23/1989  27             RB/RM   High / Medium
## 1061          Right 12/29/1982  34                CB    Low / Medium
## 1062          Right 02/01/1987  30                GK Medium / Medium
## 1063           Left 01/26/1992  25                LB Medium / Medium
## 1064          Right 12/14/1988  28             RB/CB   High / Medium
## 1065           Left 01/11/1991  26            CM/CDM Medium / Medium
## 1066          Right 09/19/1992  24            CB/CDM   Medium / High
## 1067          Right 11/01/1990  26                RB   High / Medium
## 1068          Right 01/13/1988  29             CM/RM   Medium / High
## 1069          Right 08/16/1990  26            CM/CAM Medium / Medium
## 1070          Right 10/01/1990  26            CDM/CB      Low / High
## 1071          Right 03/15/1988  29                RM Medium / Medium
## 1072          Right 04/26/1989  27            CDM/CM Medium / Medium
## 1073          Right 08/27/1990  26                ST Medium / Medium
## 1074          Right 12/22/1987  29                ST Medium / Medium
## 1075          Right 08/12/1989  27            LM/CDM Medium / Medium
## 1076          Right 09/08/1987  29             RB/CM Medium / Medium
## 1077           Left 07/04/1989  27                CB Medium / Medium
## 1078          Right 02/11/1989  28            CDM/CM Medium / Medium
## 1079           Left 01/12/1989  28            LB/LWB   High / Medium
## 1080          Right 12/17/1989  27             RM/RB   Medium / High
## 1081          Right 02/27/1992  25            CM/CDM Medium / Medium
## 1082          Right 03/10/1991  26               CAM Medium / Medium
## 1083          Right 02/18/1990  27                ST    Medium / Low
## 1084          Right 04/21/1986  30            CDM/CM Medium / Medium
## 1085          Right 03/16/1991  26             LM/RM   High / Medium
## 1086          Right 07/03/1988  28                CB Medium / Medium
## 1087          Right 03/14/1988  29             LW/RW      High / Low
## 1088          Right 07/22/1989  27            RB/RWB   High / Medium
## 1089           Left 09/18/1990  26            CM/CAM   Medium / High
## 1090          Right 09/11/1988  28             RB/RM   High / Medium
## 1091          Right 02/18/1990  27             LM/ST Medium / Medium
## 1092          Right 02/18/1986  31             ST/RW Medium / Medium
## 1093          Right 06/12/1988  28             RB/CM Medium / Medium
## 1094          Right 09/16/1985  31                ST    Medium / Low
## 1095          Right 01/04/1990  27                ST Medium / Medium
## 1096          Right 09/01/1987  29            RB/CDM   Medium / High
## 1097          Right 12/21/1989  27          CDM/CM/RB     High / High
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## 1098          Right 07/01/1985  31            CB/CDM Medium / Medium
## 1099          Right 08/29/1988  28            CDM/CM      Low / High
## 1100          Right 08/03/1988  28                GK Medium / Medium
## 1101          Right 01/05/1990  27            CM/CDM    Medium / Low
## 1102          Right 09/19/1990  26                RB     High / High
## 1103          Right 05/09/1985  31             CB/RB   Medium / High
## 1104          Right 11/12/1988  28             ST/RM      High / Low
## 1105          Right 02/23/1992  25                CB      Low / High
## 1106          Right 02/10/1987  30             CB/LB   Medium / High
## 1107          Right 09/25/1987  29             RM/LM   High / Medium
## 1108          Right 08/27/1986  30            RM/CAM    Medium / Low
## 1109           Left 02/10/1990  27                LB   High / Medium
## 1110          Right 06/20/1985  31                CB Medium / Medium
## 1111          Right 10/26/1990  26            CM/CDM     High / High
## 1112           Left 04/12/1989  27            CAM/LM Medium / Medium
## 1113          Right 11/30/1987  29             LM/RM Medium / Medium
## 1114          Right 11/20/1988  28                RB   High / Medium
## 1115           Left 02/06/1986  31            CDM/CB Medium / Medium
## 1116           Left 06/27/1984  32            LWB/LB Medium / Medium
## 1117          Right 05/01/1982  34                GK Medium / Medium
## 1118          Right 01/26/1984  33             RB/RM   High / Medium
## 1119          Right 05/15/1989  27                CB Medium / Medium
## 1120          Right 01/18/1984  33          CDM/CB/RB Medium / Medium
## 1121          Right 05/20/1987  29                CB Medium / Medium
## 1122          Right 02/09/1988  29            CDM/CM   Medium / High
## 1123           Left 04/21/1988  28            CDM/CM Medium / Medium
## 1124          Right 08/09/1989  27                ST     High / High
## 1125          Right 06/08/1988  28             RW/RM Medium / Medium
## 1126          Right 06/21/1987  29                CB Medium / Medium
## 1127          Right 09/13/1987  29            CAM/CM   High / Medium
## 1128          Right 08/19/1984  32                ST    Medium / Low
## 1129          Right 02/21/1989  28            CM/CDM Medium / Medium
## 1130           Left 09/05/1988  28                ST Medium / Medium
## 1131          Right 08/03/1987  29           CDM/CAM Medium / Medium
## 1132          Right 07/30/1983  33                GK Medium / Medium
## 1133          Right 11/29/1987  29             RM/RW     High / High
## 1134          Right 04/26/1988  28            CAM/RM Medium / Medium
## 1135          Right 06/10/1986  30                CB    Low / Medium
## 1136          Right 09/10/1982  34                GK Medium / Medium
## 1137          Right 12/12/1986  30             CM/LM     High / High
## 1138          Right 02/13/1987  30                LW Medium / Medium
## 1139          Right 07/29/1985  31                CB Medium / Medium
## 1140           Left 10/04/1988  28             LB/LM   High / Medium
## 1141           Left 03/11/1988  29             LB/LM Medium / Medium
## 1142          Right 07/29/1989  27             LM/ST   High / Medium
## 1143          Right 03/21/1988  29            CDM/CM      Low / High
## 1144          Right 10/25/1987  29            CM/CDM Medium / Medium
## 1145          Right 01/22/1987  30             ST/RM     High / High
## 1146          Right 08/06/1987  29                GK Medium / Medium
## 1147          Right 02/16/1985  32                CB   Medium / High
## 1148          Right 12/11/1985  31             ST/RW Medium / Medium
## 1149          Right 07/12/1990  26             LM/ST    Medium / Low
## 1150          Right 01/18/1987  30             RM/ST      High / Low
## 1151          Right 04/10/1986  30                CM Medium / Medium
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## 1152          Right 06/20/1987  29              GK Medium / Medium
## 1153          Right 03/17/1986  31          CDM/CM Medium / Medium
## 1154          Right 04/24/1983  33           LW/ST     High / High
## 1155          Right 04/04/1984  32              ST     High / High
## 1156          Right 08/03/1986  30              GK Medium / Medium
## 1157          Right 03/15/1985  32              CB Medium / Medium
## 1158          Right 01/04/1986  31              CB   High / Medium
## 1159          Right 06/24/1984  32           CB/LB Medium / Medium
## 1160          Right 01/13/1984  33          CDM/CM   Medium / High
## 1161          Right 03/09/1984  33          CDM/RB     High / High
## 1162          Right 01/18/1987  30              CB Medium / Medium
## 1163          Right 05/22/1985  31              ST      High / Low
## 1164          Right 04/19/1985  31          CDM/CM   Medium / High
## 1165          Right 02/24/1987  30              ST Medium / Medium
## 1166          Right 05/07/1987  29           ST/LW    Medium / Low
## 1167          Right 06/27/1984  32             CDM Medium / Medium
## 1168          Right 09/09/1987  29          CDM/CM Medium / Medium
## 1169          Right 09/18/1982  34              GK Medium / Medium
## 1170          Right 06/30/1977  39              GK Medium / Medium
## 1171           Left 09/07/1987  29              RM   High / Medium
## 1172           Left 08/20/1983  33           LB/LM   High / Medium
## 1173          Right 03/18/1987  30           ST/CF    Medium / Low
## 1174          Right 01/01/1985  32           CM/RM     High / High
## 1175          Right 11/12/1984  32             CDM   Medium / High
## 1176          Right 09/01/1983  33              RB Medium / Medium
## 1177          Right 05/24/1983  33              GK Medium / Medium
## 1178           Left 06/20/1982  34              CB    Low / Medium
## 1179          Right 10/25/1984  32              CB   Medium / High
## 1180          Right 02/25/1982  35           CB/RB Medium / Medium
## 1181          Right 10/27/1981  35              GK Medium / Medium
## 1182          Right 12/15/1982  34          CAM/CF Medium / Medium
## 1183          Right 06/26/1981  35              GK Medium / Medium
## 1184          Right 09/16/1982  34          CDM/CM    Low / Medium
## 1185           Left 04/07/1986  30              LB Medium / Medium
## 1186          Right 04/12/1981  35              CB   Medium / High
## 1187           Left 08/18/1980  36          CM/CDM     High / High
## 1188          Right 08/23/1984  32           RB/LB      High / Low
## 1189          Right 01/25/1984  33              ST     High / High
## 1190          Right 01/21/1984  33              CB Medium / Medium
## 1191          Right 08/02/1985  31           ST/RM   High / Medium
## 1192          Right 11/18/1983  33              CB   Medium / High
## 1193          Right 03/06/1981  36              GK Medium / Medium
## 1194          Right 01/11/1981  36          CM/CAM   High / Medium
## 1195           Left 10/10/1983  33           CB/LB     High / High
## 1196          Right 02/26/1984  33              ST    Medium / Low
## 1197          Right 05/22/1985  31         CAM/CDM Medium / Medium
## 1198          Right 05/23/1983  33              GK Medium / Medium
## 1199          Right 05/31/1981  35              CB      Low / High
## 1200          Right 06/26/1980  36              GK Medium / Medium
## 1201          Right 03/26/1977  40              GK Medium / Medium
## 1202           Left 10/01/1983  33              LB Medium / Medium
## 1203           Left 08/06/1980  36              GK Medium / Medium
## 1204           Left 09/07/1980  36          CM/CDM Medium / Medium
## 1205          Right 07/19/1995  21          CAM/CM   High / Medium
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## 1206          Right 01/09/1997  20              CB Medium / Medium
## 1207          Right 07/17/1997  19          CDM/CM   Medium / High
## 1208          Right 02/29/1992  25          CAM/RM    Medium / Low
## 1209           Left 02/29/1984  33             CDM   Medium / High
## 1210          Right 02/29/1988  29              CB Medium / Medium
## 1211           Left 02/29/1988  29           LB/LM Medium / Medium
## 1212          Right 02/29/1988  29              GK Medium / Medium
## 1213          Right 02/29/1992  25              GK Medium / Medium
## 1214          Right 02/29/1992  25              GK Medium / Medium
## 1215          Right 02/29/1988  29         CDM/CAM   High / Medium
## 1216          Right 02/29/1984  33          CDM/CM     High / High
## 1217          Right 02/29/1992  25           CB/LB Medium / Medium
## 1218          Right 02/29/1984  33          CB/CDM   High / Medium
## 1219           Left 02/29/1988  29           CB/LB Medium / Medium
## 1220           Left 08/09/1997  19           LM/RM   High / Medium
## 1221          Right 05/06/1995  21              LW Medium / Medium
## 1222          Right 07/09/1995  21          CDM/CM Medium / Medium
## 1223          Right 06/29/1996  20          CAM/LW   High / Medium
## 1224          Right 04/14/1991  25           ST/RW     High / High
## 1225          Right 10/21/1995  21              RW   High / Medium
## 1226          Right 04/02/1996  20              GK Medium / Medium
## 1227          Right 03/28/1994  23           RB/CB Medium / Medium
## 1228           Left 10/03/1996  20              ST   High / Medium
## 1229          Right 07/08/1992  24              CB Medium / Medium
## 1230          Right 12/01/1996  20           ST/LW   High / Medium
## 1231          Right 11/29/1996  20           ST/LW   High / Medium
## 1232          Right 02/28/1996  21          CM/CDM Medium / Medium
## 1233          Right 03/23/1995  22          CDM/CM Medium / Medium
## 1234          Right 12/11/1985  31              CB   Medium / High
## 1235          Right 02/26/1994  23              CB   Medium / High
## 1236          Right 02/14/1997  20           RM/ST   High / Medium
## 1237           Left 12/13/1991  25             CDM   Medium / High
## 1238           Left 06/15/1995  21              CM   High / Medium
## 1239           Left 02/14/1996  21           CB/LB   Medium / High
## 1240           Left 07/11/1996  20           LM/RM Medium / Medium
## 1241           Left 07/04/1992  24           RM/LM    Medium / Low
## 1242          Right 11/04/1989  27           ST/LW   High / Medium
## 1243          Right 08/23/1993  23          CDM/CM Medium / Medium
## 1244          Right 03/15/1993  24              CB   Medium / High
## 1245          Right 09/10/1993  23           RB/RM   High / Medium
## 1246          Right 05/28/1994  22          CM/CAM Medium / Medium
## 1247          Right 09/23/1993  23              ST   High / Medium
## 1248          Right 05/06/1993  23              CB   Medium / High
## 1249          Right 05/09/1991  25           RM/LM   Medium / High
## 1250          Right 06/11/1994  22              RB   High / Medium
## 1251          Right 03/11/1994  23           RM/LM Medium / Medium
## 1252          Right 03/01/1994  23           CF/LM Medium / Medium
## 1253           Left 01/24/1994  23          RM/CAM Medium / Medium
## 1254           Left 08/03/1993  23           RW/LW   High / Medium
## 1255          Right 10/09/1995  21              RB   Medium / High
## 1256          Right 05/14/1992  24           RB/RM     High / High
## 1257          Right 03/02/1992  25              CB Medium / Medium
## 1258          Right 02/21/1989  28              GK Medium / Medium
## 1259          Right 03/05/1993  24              RB   High / Medium
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## 1260          Left 05/08/1991  25              ST     High / High
## 1261         Right 11/25/1984  32              CB    Low / Medium
## 1262          Left 02/04/1993  24           RM/LM    Medium / Low
## 1263         Right 09/04/1986  30       RM/CAM/ST   High / Medium
## 1264         Right 11/21/1986  30           LW/RW Medium / Medium
## 1265         Right 07/22/1988  28              ST   Medium / High
## 1266         Right 11/03/1988  28              CB    Low / Medium
## 1267         Right 03/29/1993  24          CM/CDM Medium / Medium
## 1268         Right 07/11/1988  28             CDM   Medium / High
## 1269          Left 02/22/1991  26              LB      High / Low
## 1270          Left 02/28/1993  24              CB   High / Medium
## 1271         Right 09/15/1994  22           LM/RM   High / Medium
## 1272          Left 02/07/1993  24              LM     High / High
## 1273         Right 04/09/1989  27              CB Medium / Medium
## 1274         Right 03/15/1996  21           RM/LM Medium / Medium
## 1275         Right 04/14/1995  21          CDM/CB Medium / Medium
## 1276         Right 02/14/1993  24              ST Medium / Medium
## 1277          Left 08/30/1996  20           ST/RW Medium / Medium
## 1278         Right 06/03/1989  27              CB Medium / Medium
## 1279          Left 12/28/1995  21          RW/CAM Medium / Medium
## 1280         Right 12/07/1995  21        RW/LW/RM Medium / Medium
## 1281         Right 04/15/1995  21          CDM/CB   Medium / High
## 1282         Right 03/15/1994  23          CM/CAM Medium / Medium
## 1283         Right 01/17/1993  24              GK Medium / Medium
## 1284          Left 03/13/1994  23           LM/LB Medium / Medium
## 1285          Left 07/10/1994  22           RM/LM   High / Medium
## 1286         Right 01/31/1994  23          CDM/CM Medium / Medium
## 1287         Right 03/02/1994  23           RM/CF Medium / Medium
## 1288         Right 04/07/1993  23              LM Medium / Medium
## 1289         Right 06/17/1991  25              ST   High / Medium
## 1290         Right 12/21/1989  27             CAM Medium / Medium
## 1291          Left 02/07/1990  27              ST   High / Medium
## 1292         Right 05/05/1994  22           RB/LB   High / Medium
## 1293         Right 08/08/1994  22              CB   High / Medium
## 1294         Right 11/25/1992  24              CB Medium / Medium
## 1295         Right 09/15/1994  22              CB Medium / Medium
## 1296         Right 07/07/1989  27              CB Medium / Medium
## 1297          Left 08/03/1994  22          LWB/LB   High / Medium
## 1298         Right 12/10/1995  21         CAM/CDM   Medium / High
## 1299         Right 07/14/1992  24           RM/LM    Medium / Low
## 1300         Right 03/05/1993  24              ST    Medium / Low
## 1301         Right 12/20/1991  25              CB   High / Medium
## 1302         Right 06/13/1993  23          CDM/RM     High / High
## 1303          Left 11/26/1988  28           ST/CF   High / Medium
## 1304         Right 04/05/1991  25         CDM/CAM   High / Medium
## 1305         Right 02/02/1993  24          CDM/CM Medium / Medium
## 1306         Right 03/22/1993  24              CB Medium / Medium
## 1307         Right 07/07/1984  32              CB   High / Medium
## 1308          Left 03/10/1993  24              CM   Medium / High
## 1309         Right 03/29/1991  26          CM/CDM Medium / Medium
## 1310          Left 02/05/1995  22          LM/CAM    Medium / Low
## 1311          Left 03/26/1990  27          CDM/CB Medium / Medium
## 1312         Right 01/01/1993  24          CDM/CM Medium / Medium
## 1313         Right 07/19/1992  24              GK Medium / Medium
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## 1314          Left 09/06/1995  21            RW/ST Medium / Medium
## 1315          Left 06/16/1990  26            RM/LM   High / Medium
## 1316         Right 01/03/1991  26            ST/LM   High / Medium
## 1317         Right 09/08/1994  22           CAM/RW   High / Medium
## 1318         Right 02/25/1984  33               RB   High / Medium
## 1319         Right 03/12/1992  25               CM     High / High
## 1320         Right 10/20/1992  24            LB/RB   High / Medium
## 1321         Right 08/06/1993  23               LW   High / Medium
## 1322         Right 07/11/1993  23            LM/RM Medium / Medium
## 1323          Left 05/07/1993  23               CB Medium / Medium
## 1324         Right 07/11/1994  22            LW/RW    Medium / Low
## 1325         Right 11/01/1994  22        CM/RM/CDM Medium / Medium
## 1326          Left 07/05/1992  24               LB      High / Low
## 1327         Right 03/09/1994  23           CDM/CM   High / Medium
## 1328         Right 08/01/1988  28           CAM/RM Medium / Medium
## 1329          Left 03/07/1994  23               GK Medium / Medium
## 1330         Right 03/17/1994  23           CAM/RM   High / Medium
## 1331         Right 10/31/1990  26               ST     High / High
## 1332         Right 03/15/1990  27            CM/RW Medium / Medium
## 1333          Left 04/12/1988  28           CAM/CF   High / Medium
## 1334         Right 08/02/1986  30               CB    Low / Medium
## 1335         Right 03/21/1992  25               RB   High / Medium
## 1336         Right 08/04/1993  23               ST Medium / Medium
## 1337         Right 01/13/1992  25               RB   High / Medium
## 1338         Right 11/19/1993  23            LM/RM   High / Medium
## 1339         Right 10/28/1990  26               GK Medium / Medium
## 1340         Right 10/15/1996  20            LM/RM   High / Medium
## 1341         Right 08/03/1988  28               CB   Medium / High
## 1342          Left 11/20/1991  25            RM/LM     High / High
## 1343          Left 10/08/1990  26            CM/LM Medium / Medium
## 1344         Right 08/04/1994  22           LM/CAM   High / Medium
## 1345         Right 05/22/1992  24               CB Medium / Medium
## 1346         Right 06/17/1992  24            LM/RM      High / Low
## 1347         Right 08/21/1989  27            RB/RM   High / Medium
## 1348         Right 09/19/1992  24       CAM/CM/LM Medium / Medium
## 1349         Right 10/24/1989  27               GK Medium / Medium
## 1350         Right 03/29/1990  27           RB/RWB   High / Medium
## 1351         Right 07/10/1991  25               CB   High / Medium
## 1352         Right 09/26/1992  24           RB/RWB   High / Medium
## 1353          Left 09/07/1992  24               CB   High / Medium
## 1354          Left 01/14/1992  25           LM/LWB   High / Medium
## 1355         Right 01/24/1990  27               CB Medium / Medium
## 1356         Right 12/31/1987  29               ST   High / Medium
## 1357          Left 02/15/1993  24           CDM/CM   High / Medium
## 1358         Right 06/15/1990  26            RM/ST Medium / Medium
## 1359          Left 04/12/1991  25               LB   High / Medium
## 1360         Right 09/10/1992  24           CDM/CM   Medium / High
## 1361         Right 01/08/1991  26            RM/CM   High / Medium
## 1362          Left 12/19/1991  25            RW/LW    Medium / Low
## 1363         Right 05/13/1991  25           CAM/RM    Medium / Low
## 1364         Right 08/24/1992  24           CAM/CM     High / High
## 1365         Right 03/27/1992  25           CDM/CM   Medium / High
## 1366          Left 10/17/1989  27           CDM/CB   Medium / High
## 1367          Left 09/17/1990  26           RM/CAM Medium / Medium
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## 1368          Right 06/06/1989  27            CB/CDM Medium / Medium
## 1369           Left 08/24/1987  29          LM/RM/RW     High / High
## 1370          Right 06/17/1989  27                GK Medium / Medium
## 1371          Right 11/11/1989  27            LM/CAM   High / Medium
## 1372           Left 09/19/1987  29                CB   Medium / High
## 1373          Right 05/09/1988  28                CB   Medium / High
## 1374          Right 01/06/1989  28                ST   High / Medium
## 1375          Right 02/18/1988  29           CDM/CAM Medium / Medium
## 1376          Right 06/11/1988  28                CB Medium / Medium
## 1377           Left 04/18/1988  28                CB   Medium / High
## 1378          Right 08/08/1992  24             ST/LM Medium / Medium
## 1379          Right 10/14/1987  29                CM   Medium / High
## 1380          Right 03/24/1990  27             ST/RM Medium / Medium
## 1381          Right 03/06/1989  28                CB Medium / Medium
## 1382           Left 01/26/1989  28            CDM/CM   Medium / High
## 1383          Right 04/09/1990  26             CM/LM   High / Medium
## 1384          Right 09/11/1991  25             ST/RM   High / Medium
## 1385          Right 03/15/1990  27                GK Medium / Medium
## 1386          Right 03/17/1993  24                ST Medium / Medium
## 1387          Right 08/22/1991  25             RM/LM   High / Medium
## 1388          Right 02/27/1992  25                ST   High / Medium
## 1389           Left 07/12/1992  24            RW/CAM   High / Medium
## 1390          Right 05/28/1990  26             LM/RM   High / Medium
## 1391          Right 11/01/1984  32            CAM/CM Medium / Medium
## 1392           Left 08/01/1980  36                ST      High / Low
## 1393          Right 06/17/1990  26                GK Medium / Medium
## 1394          Right 02/01/1989  28                ST Medium / Medium
## 1395           Left 01/20/1991  26            CAM/CM   High / Medium
## 1396          Right 09/15/1990  26            CM/CDM Medium / Medium
## 1397           Left 06/10/1988  28                CB Medium / Medium
## 1398          Right 11/05/1989  27                CB   Medium / High
## 1399          Right 08/30/1987  29             CB/RB   High / Medium
## 1400          Right 02/13/1991  26                CB Medium / Medium
## 1401          Right 06/26/1991  25                ST   High / Medium
## 1402          Right 09/10/1990  26             RB/LB   Medium / High
## 1403          Right 08/10/1985  31               CDM      Low / High
## 1404          Right 01/18/1992  25                GK Medium / Medium
## 1405          Right 04/29/1989  27             ST/LM     High / High
## 1406          Right 12/24/1989  27                ST   High / Medium
## 1407           Left 06/06/1990  26                LB   High / Medium
## 1408          Right 12/05/1988  28               CDM     High / High
## 1409          Right 01/25/1988  29                GK Medium / Medium
## 1410          Right 08/04/1991  25             RM/LM Medium / Medium
## 1411           Left 03/27/1992  25             CB/LB Medium / Medium
## 1412           Left 11/10/1989  27                CB   Medium / High
## 1413          Right 06/22/1990  26                RB   High / Medium
## 1414           Left 06/17/1992  24                LW   High / Medium
## 1415          Right 09/13/1990  26             RW/LW    Medium / Low
## 1416          Right 02/11/1990  27                LM   High / Medium
## 1417           Left 04/27/1991  25                LB Medium / Medium
## 1418          Right 03/19/1991  26             RW/ST    Medium / Low
## 1419          Right 05/25/1985  31         CAM/CM/CDM Medium / Medium
## 1420          Right 10/30/1986  30                RB Medium / Medium
## 1421          Right 03/15/1989  28            CDM/CM Medium / Medium
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## 1422          Right 06/15/1991  25            CM/LM   High / Medium
## 1423          Right 02/23/1988  29               CB Medium / Medium
## 1424          Right 08/03/1990  26           CDM/RM   High / Medium
## 1425          Right 03/04/1987  30               CB Medium / Medium
## 1426          Right 07/12/1987  29               ST      High / Low
## 1427          Right 08/15/1984  32               CB    Low / Medium
## 1428          Right 07/25/1992  24           CAM/CM     High / High
## 1429          Right 04/07/1990  26            RB/CB Medium / Medium
## 1430          Right 08/05/1989  27           CDM/CB   High / Medium
## 1431          Right 02/24/1991  26               CB   Medium / High
## 1432          Right 05/05/1991  25               GK Medium / Medium
## 1433           Left 12/15/1989  27               LB   High / Medium
## 1434          Right 01/02/1991  26            RB/LB   High / Medium
## 1435          Right 12/07/1989  27           CM/CDM     High / High
## 1436          Right 12/03/1989  27               GK Medium / Medium
## 1437          Right 09/07/1987  29               ST   High / Medium
## 1438           Left 03/22/1989  28            LM/RM   High / Medium
## 1439          Right 07/07/1987  29            LM/RM   High / Medium
## 1440          Right 10/22/1989  27               ST      High / Low
## 1441           Left 07/17/1985  31               CB Medium / Medium
## 1442          Right 02/15/1990  27           RB/RWB   High / Medium
## 1443          Right 11/07/1984  32              CDM   Medium / High
## 1444          Right 12/29/1990  26           LM/CAM   High / Medium
## 1445           Left 09/04/1985  31               ST Medium / Medium
## 1446          Right 07/30/1988  28           CM/CAM     High / High
## 1447          Right 04/25/1988  28               ST    Medium / Low
## 1448          Right 07/02/1986  30           CAM/LM   High / Medium
## 1449          Right 04/19/1992  24           LM/CAM    Medium / Low
## 1450          Right 03/18/1987  30              CDM Medium / Medium
## 1451          Right 01/28/1989  28           CAM/ST   High / Medium
## 1452          Right 04/07/1989  27               ST   High / Medium
## 1453           Left 09/10/1989  27               RM   High / Medium
## 1454          Right 03/23/1991  26            RM/ST   High / Medium
## 1455           Left 06/21/1991  25            LM/RM Medium / Medium
## 1456           Left 02/17/1986  31               CB Medium / Medium
## 1457          Right 09/29/1989  27               CM Medium / Medium
## 1458           Left 09/21/1987  29               CB   Medium / High
## 1459          Right 10/21/1988  28              CDM   High / Medium
## 1460          Right 08/16/1988  28               ST      High / Low
## 1461          Right 02/08/1991  26            RB/CB   High / Medium
## 1462          Right 04/28/1988  28            RW/RM      High / Low
## 1463          Right 03/14/1990  27               ST   High / Medium
## 1464          Right 02/01/1989  28               CB Medium / Medium
## 1465          Right 02/03/1988  29               RB Medium / Medium
## 1466          Right 02/27/1987  30           CAM/LW   High / Medium
## 1467          Right 03/18/1987  30            CB/RB Medium / Medium
## 1468           Left 09/25/1984  32         RM/CF/LW   High / Medium
## 1469           Left 09/27/1987  29            RW/LW   High / Medium
## 1470          Right 10/18/1985  31               GK Medium / Medium
## 1471          Right 03/02/1988  29               ST Medium / Medium
## 1472          Right 12/06/1988  28               ST Medium / Medium
## 1473           Left 03/31/1989  27               ST      High / Low
## 1474          Right 01/08/1989  28           CM/CAM Medium / Medium
## 1475          Right 02/07/1987  30        RM/CAM/ST   High / Medium
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## 1476          Right 11/18/1989  27                LM     High / High
## 1477           Left 09/26/1989  27                CB Medium / Medium
## 1478           Left 06/09/1986  30                CB Medium / Medium
## 1479          Right 03/05/1987  30                CB   Medium / High
## 1480          Right 02/27/1989  28            CAM/RM Medium / Medium
## 1481          Right 06/18/1987  29                ST Medium / Medium
## 1482          Right 07/28/1989  27            CM/CDM   High / Medium
## 1483          Right 08/11/1986  30                CB   Medium / High
## 1484           Left 05/05/1985  31             LB/LM   High / Medium
## 1485          Right 07/27/1981  35                ST      High / Low
## 1486          Right 06/12/1988  28                ST Medium / Medium
## 1487          Right 07/22/1988  28                GK Medium / Medium
## 1488          Right 05/17/1988  28                CB Medium / Medium
## 1489           Left 01/07/1989  28                LB   High / Medium
## 1490          Right 04/11/1985  31            CAM/LM Medium / Medium
## 1491           Left 12/05/1988  28            LM/CAM Medium / Medium
## 1492          Right 03/13/1989  28            CAM/LW      High / Low
## 1493           Left 05/25/1988  28        CAM/CM/CDM   High / Medium
## 1494           Left 08/07/1988  28                LB Medium / Medium
## 1495          Right 03/19/1986  31            CDM/CM Medium / Medium
## 1496          Right 04/03/1986  30                CB Medium / Medium
## 1497          Right 07/02/1987  29            CM/CDM Medium / Medium
## 1498          Right 12/26/1988  28            CDM/CB   Medium / High
## 1499           Left 01/31/1988  29            RM/CAM    Medium / Low
## 1500          Right 06/10/1987  29             ST/RM   High / Medium
## 1501          Right 02/25/1986  31                RM Medium / Medium
## 1502           Left 05/24/1986  30                LB   High / Medium
## 1503           Left 05/17/1986  30                LB Medium / Medium
## 1504          Right 05/02/1988  28            CDM/CB   Medium / High
## 1505          Right 08/20/1987  29             RM/ST Medium / Medium
## 1506          Right 03/13/1987  30             RB/LB     High / High
## 1507          Right 05/23/1986  30                CM Medium / Medium
## 1508           Left 03/30/1983  34                LM Medium / Medium
## 1509          Right 11/06/1989  27                ST    Medium / Low
## 1510          Right 03/22/1989  28            ST/CAM     High / High
## 1511          Right 09/09/1985  31            CAM/CM   Medium / High
## 1512          Right 02/26/1988  29            CM/CDM   Medium / High
## 1513          Right 10/16/1982  34            CM/CDM Medium / Medium
## 1514           Left 09/14/1984  32                LM      High / Low
## 1515          Right 01/08/1988  29                ST Medium / Medium
## 1516          Right 03/27/1990  27                ST Medium / Medium
## 1517          Right 03/29/1989  28             CB/RB Medium / Medium
## 1518           Left 04/28/1986  30             LB/LM   High / Medium
## 1519          Right 06/20/1986  30            CM/CDM Medium / Medium
## 1520           Left 10/23/1984  32                GK Medium / Medium
## 1521          Right 02/01/1989  28                GK Medium / Medium
## 1522          Right 09/24/1985  31                CB Medium / Medium
## 1523          Right 03/06/1986  31                RB     High / High
## 1524          Right 04/02/1986  30                CB   High / Medium
## 1525          Right 02/09/1984  33             RB/LB   High / Medium
## 1526          Right 05/23/1988  28             RB/RM   High / Medium
## 1527          Right 02/23/1988  29             LW/RW   High / Medium
## 1528          Right 03/25/1989  28                LM   High / Medium
## 1529          Right 02/05/1986  31             CB/RB Medium / Medium
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## 1530          Right 01/05/1986  31            CF/CAM Medium / Medium
## 1531          Right 07/25/1985  31                ST      High / Low
## 1532          Right 01/27/1987  30            RB/CDM Medium / Medium
## 1533          Right 01/28/1987  30                GK Medium / Medium
## 1534          Right 04/08/1986  30                LM   High / Medium
## 1535           Left 03/19/1982  35                GK Medium / Medium
## 1536          Right 12/11/1984  32                LM      High / Low
## 1537          Right 03/13/1983  34            CM/CDM   Medium / High
## 1538          Right 04/26/1986  30             RW/LW    Medium / Low
## 1539          Right 05/29/1986  30            LM/CAM    Medium / Low
## 1540          Right 09/19/1982  34                GK Medium / Medium
## 1541          Right 07/05/1982  34            CM/CAM   High / Medium
## 1542          Right 06/01/1984  32        CAM/CM/CDM Medium / Medium
## 1543          Right 05/12/1986  30                GK Medium / Medium
## 1544          Right 08/31/1985  31                CB    Low / Medium
## 1545          Right 05/25/1986  30            CAM/CM Medium / Medium
## 1546          Right 09/25/1985  31                CB Medium / Medium
## 1547          Right 10/07/1984  32                CM    Medium / Low
## 1548          Right 04/10/1985  31             RB/LB Medium / Medium
## 1549          Right 07/16/1985  31            CM/CDM Medium / Medium
## 1550          Right 02/28/1981  36            CDM/CM Medium / Medium
## 1551          Right 01/16/1985  32                CB   Medium / High
## 1552          Right 03/09/1987  30            CDM/CM Medium / Medium
## 1553          Right 01/12/1984  33                ST   High / Medium
## 1554          Right 09/02/1986  30            CDM/CM   Medium / High
## 1555           Left 09/04/1986  30               CAM Medium / Medium
## 1556          Right 04/04/1983  33            CM/CDM Medium / Medium
## 1557          Right 03/05/1984  33                ST    Medium / Low
## 1558          Right 01/26/1981  36                GK Medium / Medium
## 1559           Left 12/10/1985  31            CM/CAM    Medium / Low
## 1560          Right 09/13/1986  30                GK Medium / Medium
## 1561          Right 10/28/1982  34                RB Medium / Medium
## 1562          Right 09/21/1985  31                GK Medium / Medium
## 1563           Left 01/01/1984  33             LM/CM   High / Medium
## 1564           Left 06/26/1986  30         CAM/LM/RM Medium / Medium
## 1565          Right 10/18/1979  37                GK Medium / Medium
## 1566           Left 05/20/1982  34            CAM/LM      High / Low
## 1567          Right 10/19/1983  33                GK Medium / Medium
## 1568          Right 07/02/1982  34             CF/LM Medium / Medium
## 1569          Right 01/29/1984  33             RM/RB   High / Medium
## 1570          Right 12/16/1986  30                GK Medium / Medium
## 1571          Right 05/01/1982  34                CB      Low / High
## 1572           Left 07/09/1982  34                CB    Low / Medium
## 1573          Right 01/29/1982  35               CDM   Medium / High
## 1574          Right 06/10/1981  35            CAM/CM      High / Low
## 1575          Right 02/01/1984  33            CM/CDM   Medium / High
## 1576           Left 06/25/1983  33                ST Medium / Medium
## 1577          Right 01/07/1977  40                GK Medium / Medium
## 1578          Right 06/25/1983  33                CB   High / Medium
## 1579          Right 08/02/1984  32                ST Medium / Medium
## 1580           Left 03/19/1979  38           CM/CF/RW Medium / Medium
## 1581           Left 01/11/1984  33            CDM/CM Medium / Medium
## 1582          Right 08/04/1985  31             CB/RB Medium / Medium
## 1583           Left 12/09/1989  27                LB     High / High
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## 1584          Left 05/17/1987  29              CB      Low / High
## 1585          Left 06/18/1982  34              ST   High / Medium
## 1586         Right 03/19/1981  36              CB Medium / Medium
## 1587         Right 06/05/1982  34          CAM/LM    Medium / Low
## 1588         Right 12/05/1979  37              CB      Low / High
## 1589         Right 02/20/1980  37              GK Medium / Medium
## 1590         Right 07/07/1984  32          CM/CDM Medium / Medium
## 1591         Right 01/07/1985  32           RM/LM Medium / Medium
## 1592         Right 05/28/1983  33             CDM   Medium / High
## 1593         Right 03/17/1982  35           LM/CM   High / Medium
## 1594          Left 04/03/1983  33              GK Medium / Medium
## 1595          Left 06/11/1981  35              CB Medium / Medium
## 1596          Left 03/10/1983  34              CB Medium / Medium
## 1597         Right 08/23/1983  33              CB      Low / High
## 1598         Right 06/17/1979  37              GK Medium / Medium
## 1599         Right 06/09/1979  37              CB      Low / High
## 1600         Right 09/22/1982  34              GK Medium / Medium
## 1601         Right 06/26/1981  35              CB      Low / High
## 1602         Right 01/02/1997  20          CM/CAM Medium / Medium
## 1603          Left 12/14/1996  20              LM   High / Medium
## 1604          Left 04/14/1993  23           CB/LB      Low / High
## 1605          Left 12/01/1994  22              LB   High / Medium
## 1606         Right 02/06/1992  25              CB Medium / Medium
## 1607         Right 05/31/1997  19           ST/LM   High / Medium
## 1608         Right 12/19/1996  20          CM/CDM Medium / Medium
## 1609         Right 02/29/1988  29          CB/CDM Medium / Medium
## 1610         Right 02/29/1992  25              ST Medium / Medium
## 1611         Right 02/29/1988  29              ST   High / Medium
## 1612         Right 02/29/1992  25             CAM    Medium / Low
## 1613          Left 02/29/1992  25          CAM/CM Medium / Medium
## 1614         Right 02/29/1988  29          CAM/CF      High / Low
## 1615         Right 02/29/1992  25          CDM/CM   Medium / High
## 1616         Right 02/29/1988  29          CB/CDM Medium / Medium
## 1617          Left 02/29/1984  33           CB/LB Medium / Medium
## 1618         Right 02/29/1984  33           RB/RM Medium / Medium
## 1619          Left 02/29/1988  29          LB/CAM   High / Medium
## 1620         Right 02/29/1984  33              GK Medium / Medium
## 1621          Left 02/29/1992  25          CAM/CM      High / Low
## 1622          Left 02/29/1988  29          CAM/LW Medium / Medium
## 1623          Left 02/29/1992  25         CDM/CAM Medium / Medium
## 1624         Right 02/29/1988  29             CDM Medium / Medium
## 1625         Right 02/29/1992  25           CB/RB Medium / Medium
## 1626          Left 02/29/1988  29           CB/LB Medium / Medium
## 1627         Right 02/29/1988  29              CB   Medium / High
## 1628         Right 02/29/1988  29           RB/RM   High / Medium
## 1629          Left 02/29/1992  25           LB/LM Medium / Medium
## 1630          Left 02/29/1984  33              GK Medium / Medium
## 1631          Left 06/11/1995  21           RW/LW   High / Medium
## 1632         Right 03/06/1995  22           RM/LM      High / Low
## 1633         Right 07/15/1992  24           ST/LM     High / High
## 1634         Right 02/14/1996  21          CAM/CM     High / High
## 1635         Right 10/06/1997  19              ST    Medium / Low
## 1636         Right 02/23/1997  20           RB/LB   High / Medium
## 1637         Right 09/18/1998  18           RM/LM Medium / Medium
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## 1638          Right 04/29/1997  19            CDM/CM   Medium / High
## 1639           Left 01/19/1996  21             CM/LM Medium / Medium
## 1640          Right 11/07/1996  20            CM/CAM   High / Medium
## 1641           Left 08/13/1995  21                CB Medium / Medium
## 1642          Right 03/27/1994  23            CDM/CM Medium / Medium
## 1643          Right 02/14/1994  23                CB Medium / Medium
## 1644           Left 06/22/1996  20            CDM/CM Medium / Medium
## 1645          Right 03/24/1996  21            CM/CDM   High / Medium
## 1646          Right 03/13/1997  20            CDM/CM Medium / Medium
## 1647          Right 01/21/1996  21             RM/ST Medium / Medium
## 1648          Right 02/11/1996  21                CM Medium / Medium
## 1649          Right 01/05/1989  28               CDM   Medium / High
## 1650           Left 01/06/1993  24                LB   High / Medium
## 1651          Right 02/09/1995  22            CM/CDM     High / High
## 1652          Right 01/02/1992  25             RM/RB   High / Medium
## 1653          Right 02/22/1986  31            CM/CDM   Medium / High
## 1654          Right 09/16/1996  20               CDM   Medium / High
## 1655          Right 12/27/1993  23               CAM   High / Medium
## 1656          Right 06/17/1996  20                CM Medium / Medium
## 1657           Left 11/04/1989  27                CB Medium / Medium
## 1658          Right 12/29/1992  24             LM/RM   High / Medium
## 1659          Right 02/09/1996  21             ST/LM Medium / Medium
## 1660           Left 04/03/1990  26                GK Medium / Medium
## 1661          Right 09/15/1995  21            ST/CAM    Medium / Low
## 1662          Right 03/28/1994  23                ST Medium / Medium
## 1663          Right 11/05/1990  26                GK Medium / Medium
## 1664           Left 06/17/1995  21                CB   Medium / High
## 1665           Left 02/23/1993  24             LB/CB Medium / Medium
## 1666          Right 10/10/1992  24                ST Medium / Medium
## 1667           Left 09/01/1995  21           RW/LW/CF   High / Medium
## 1668          Right 09/20/1990  26          RM/LM/CAM      High / Low
## 1669          Right 01/27/1992  25             RM/RB Medium / Medium
## 1670          Right 04/30/1991  25             RM/LM   High / Medium
## 1671           Left 03/09/1994  23                LB   High / Medium
## 1672          Right 07/12/1991  25            CM/CDM Medium / Medium
## 1673          Right 01/17/1992  25                RM   High / Medium
## 1674           Left 12/31/1987  29                LB   High / Medium
## 1675           Left 01/20/1993  24                RM   High / Medium
## 1676          Right 04/19/1992  24               CDM   Medium / High
## 1677          Right 10/06/1992  24                CB   Medium / High
## 1678           Left 07/20/1989  27            CDM/CM Medium / Medium
## 1679          Right 05/07/1995  21            CM/CDM   High / Medium
## 1680           Left 03/11/1994  23            LB/LWB     High / High
## 1681          Right 11/28/1995  21             RB/CB Medium / Medium
## 1682           Left 09/27/1996  20             LW/RM     High / High
## 1683          Right 09/16/1994  22                ST Medium / Medium
## 1684          Right 07/28/1994  22             LM/ST Medium / Medium
## 1685           Left 01/29/1993  24          RM/CM/CAM   High / Medium
## 1686          Right 04/25/1994  22             CB/RB Medium / Medium
## 1687          Right 02/22/1987  30                CB    Low / Medium
## 1688          Right 04/14/1987  29             ST/RM Medium / Medium
## 1689          Right 06/20/1992  24            CAM/CDM      High / Low
## 1690          Right 03/29/1987  30                CB Medium / Medium
## 1691          Right 04/11/1988  28                LB   High / Medium
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## 1692          Right 05/12/1985  31                CB Medium / Medium
## 1693           Left 06/26/1991  25                LM   High / Medium
## 1694           Left 02/02/1990  27                CB Medium / Medium
## 1695          Right 04/02/1991  25            RM/CAM   High / Medium
## 1696          Right 10/25/1994  22            CDM/RB   Medium / High
## 1697          Right 08/05/1995  21            CM/CDM Medium / Medium
## 1698          Right 03/14/1991  26                ST Medium / Medium
## 1699          Right 12/07/1988  28                ST     High / High
## 1700           Left 08/20/1991  25             RM/LM Medium / Medium
## 1701           Left 02/06/1995  22            CDM/CM   Medium / High
## 1702           Left 05/05/1987  29                LB   High / Medium
## 1703           Left 11/07/1993  23             LB/LM   High / Medium
## 1704          Right 04/20/1987  29             ST/LM Medium / Medium
## 1705          Right 10/12/1996  20                CM Medium / Medium
## 1706          Right 08/16/1992  24                CB   Medium / High
## 1707           Left 03/09/1989  28                GK Medium / Medium
## 1708          Right 02/02/1995  22            CM/CDM     High / High
## 1709          Right 08/06/1994  22            CM/CDM Medium / Medium
## 1710           Left 01/04/1995  22            LW/CAM    Medium / Low
## 1711          Right 07/25/1995  21                GK Medium / Medium
## 1712          Right 07/23/1989  27            CAM/LM Medium / Medium
## 1713           Left 03/22/1994  23             LB/LW   High / Medium
## 1714           Left 11/03/1991  25            LM/CAM   High / Medium
## 1715           Left 06/12/1993  23                LB   High / Medium
## 1716          Right 11/27/1990  26             LM/RM Medium / Medium
## 1717          Right 12/16/1994  22        CDM/CM/CAM Medium / Medium
## 1718           Left 09/16/1988  28            CB/CDM   Medium / High
## 1719          Right 03/14/1988  29            CDM/CM   Medium / High
## 1720          Right 03/20/1994  23             RM/LM   High / Medium
## 1721           Left 02/23/1991  26             LW/RW      High / Low
## 1722           Left 02/18/1995  22            CB/CDM Medium / Medium
## 1723          Right 06/18/1988  28                GK Medium / Medium
## 1724          Right 02/08/1988  29                CB Medium / Medium
## 1725          Right 04/18/1990  26                ST Medium / Medium
## 1726          Right 08/31/1991  25            CAM/RM   High / Medium
## 1727          Right 10/09/1993  23            ST/CAM Medium / Medium
## 1728          Right 09/01/1988  28                CB Medium / Medium
## 1729          Right 10/15/1992  24                CB Medium / Medium
## 1730          Right 09/09/1993  23                CB Medium / Medium
## 1731          Right 11/20/1989  27             ST/RM    Medium / Low
## 1732           Left 04/17/1995  21                CM Medium / Medium
## 1733          Right 01/13/1991  26                RB   High / Medium
## 1734          Right 03/15/1991  26                CB Medium / Medium
## 1735          Right 04/07/1991  25            CDM/CM Medium / Medium
## 1736          Right 01/15/1986  31            CDM/CM Medium / Medium
## 1737          Right 06/06/1994  22                GK Medium / Medium
## 1738          Right 01/20/1995  22             CB/RB      Low / High
## 1739          Right 03/18/1994  23                GK Medium / Medium
## 1740          Right 08/26/1993  23                ST    Medium / Low
## 1741          Right 10/20/1990  26             ST/LM Medium / Medium
## 1742           Left 01/10/1992  25             RM/CM   High / Medium
## 1743          Right 01/29/1993  24            CAM/CM    Medium / Low
## 1744          Right 03/17/1994  23            CDM/CM   Medium / High
## 1745          Right 02/26/1993  24                CB Medium / Medium
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## 1746          Right 03/10/1989  28            RB/CB Medium / Medium
## 1747          Right 01/01/1991  26               CB    Low / Medium
## 1748           Left 08/10/1990  26            ST/LM    Medium / Low
## 1749          Right 05/19/1990  26            RW/ST   High / Medium
## 1750          Right 04/09/1992  24               GK Medium / Medium
## 1751          Right 11/07/1993  23            ST/LW Medium / Medium
## 1752           Left 03/06/1994  23           CM/CAM Medium / Medium
## 1753          Right 12/18/1989  27            RM/LM   High / Medium
## 1754          Right 06/09/1994  22               LW      High / Low
## 1755          Right 09/20/1991  25           CM/CDM   High / Medium
## 1756           Left 03/03/1991  26           CM/CAM   High / Medium
## 1757           Left 06/21/1992  24               ST      High / Low
## 1758          Right 10/31/1990  26              CDM    Low / Medium
## 1759          Right 12/25/1992  24           CDM/CM Medium / Medium
## 1760          Right 10/29/1987  29               ST Medium / Medium
## 1761           Left 06/17/1991  25            ST/CF   High / Medium
## 1762          Right 03/24/1992  25           CM/CDM Medium / Medium
## 1763           Left 01/06/1993  24               LB     High / High
## 1764           Left 06/16/1991  25            RM/LM      High / Low
## 1765           Left 11/16/1993  23               LB   High / Medium
## 1766          Right 11/15/1992  24               ST   High / Medium
## 1767          Right 11/21/1991  25           CDM/CM     High / High
## 1768          Right 01/10/1989  28           CM/CDM   Medium / High
## 1769          Right 02/13/1986  31               CB Medium / Medium
## 1770          Right 07/12/1991  25           ST/CAM   High / Medium
## 1771          Right 02/27/1993  24            ST/CF   High / Medium
## 1772          Right 02/02/1993  24           CAM/CM    Medium / Low
## 1773           Left 02/02/1991  26               LB Medium / Medium
## 1774          Right 01/21/1990  27           CM/CAM Medium / Medium
## 1775          Right 06/28/1987  29            ST/LM      High / Low
## 1776          Right 03/23/1992  25           CDM/CM     High / High
## 1777           Left 06/10/1991  25            LB/CB   Medium / High
## 1778           Left 03/04/1991  26               LB Medium / Medium
## 1779          Right 08/26/1992  24               GK Medium / Medium
## 1780          Right 11/21/1991  25               CB   High / Medium
## 1781           Left 02/01/1991  26            CB/LB Medium / Medium
## 1782          Right 10/04/1991  25               CB   High / Medium
## 1783          Right 09/27/1991  25           CM/CDM     High / High
## 1784          Right 02/26/1992  25               GK Medium / Medium
## 1785          Right 06/09/1989  27               RB   High / Medium
## 1786          Right 09/24/1991  25           CDM/CM   Medium / High
## 1787          Right 11/12/1991  25               ST Medium / Medium
## 1788           Left 03/17/1991  26            LB/LM   High / Medium
## 1789           Left 05/20/1990  26               ST    Medium / Low
## 1790          Right 09/09/1988  28               RB Medium / Medium
## 1791          Right 11/15/1991  25               CB Medium / Medium
## 1792          Right 02/29/1992  25               CM   High / Medium
## 1793          Right 03/06/1994  23            RM/ST   High / Medium
## 1794          Right 11/11/1989  27               CB Medium / Medium
## 1795          Right 10/24/1989  27               RB   High / Medium
## 1796          Right 12/15/1991  25               ST Medium / Medium
## 1797          Right 03/08/1991  26            RM/LW      High / Low
## 1798          Right 06/02/1992  24               CM Medium / Medium
## 1799          Right 01/23/1990  27            RB/LB Medium / Medium
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## 1800          Right 05/20/1993  23            CAM/LW   High / Medium
## 1801          Right 05/01/1989  27                CB Medium / Medium
## 1802          Right 01/07/1990  27                RB   High / Medium
## 1803          Right 02/05/1990  27                RB   Medium / High
## 1804          Right 09/14/1991  25             RM/LM      High / Low
## 1805          Right 02/22/1985  32             RW/RB     High / High
## 1806          Right 11/25/1990  26                GK Medium / Medium
## 1807          Right 08/29/1985  31            CB/RB Medium / Medium
## 1808          Right 01/12/1992  25             ST/LM     High / High
## 1809          Right 09/12/1986  30             LB/RB     High / High
## 1810          Right 10/09/1991  25                ST     High / High
## 1811          Right 01/30/1992  25            CAM/LW    Medium / Low
## 1812          Right 08/18/1985  31            CAM/CM   High / Medium
## 1813          Right 12/29/1991  25                CB   Medium / High
## 1814          Right 03/08/1990  27            CAM/LM Medium / Medium
## 1815           Left 08/03/1989  27             CB/LB   Medium / High
## 1816          Right 03/03/1989  28               CDM Medium / Medium
## 1817          Right 11/05/1991  25                RW   High / Medium
## 1818           Left 08/12/1990  26             LB/LM   High / Medium
## 1819          Right 04/19/1991  25                CB   Medium / High
## 1820          Right 10/17/1989  27            ST/CAM   High / Medium
## 1821          Right 01/13/1989  28             LM/ST   High / Medium
## 1822          Right 08/17/1990  26            CM/CDM   High / Medium
## 1823          Right 12/02/1990  26            CM/CDM     High / High
## 1824          Right 05/19/1988  28             RM/ST   High / Medium
## 1825          Right 04/13/1991  25                ST   High / Medium
## 1826          Right 06/06/1990  26                GK Medium / Medium
## 1827           Left 01/16/1989  28          RM/CDM/LM Medium / Medium
## 1828          Right 05/27/1987  29            CDM/CM   Medium / High
## 1829          Right 11/09/1990  26           CAM/CDM   High / Medium
## 1830          Right 08/24/1988  28                CB Medium / Medium
## 1831           Left 01/16/1987  30            LB/CDM    Low / Medium
## 1832          Right 05/18/1990  26          CF/CAM/RM Medium / Medium
## 1833          Right 03/27/1988  29            RB/RWB   High / Medium
## 1834          Right 05/06/1992  24            LM/CAM Medium / Medium
## 1835          Right 09/09/1987  29            RWB/RM Medium / Medium
## 1836           Left 02/11/1987  30             CB/LB      Low / High
## 1837          Right 10/28/1989  27             CB/RB   High / Medium
## 1838          Right 12/05/1991  25             RB/RM   High / Medium
## 1839          Right 03/19/1987  30             RM/LM      High / Low
## 1840          Right 06/13/1991  25           CDM/CAM   High / Medium
## 1841           Left 02/13/1989  28                ST   High / Medium
## 1842          Right 08/28/1990  26                RM   High / Medium
## 1843          Right 05/25/1986  30          CB/RB/CM Medium / Medium
## 1844           Left 11/02/1987  29                LB   High / Medium
## 1845           Left 02/15/1991  26            CDM/CM   Medium / High
## 1846          Right 03/27/1987  30                ST      High / Low
## 1847           Left 01/24/1991  26             RM/RW   High / Medium
## 1848          Right 09/12/1989  27            RM/CAM   High / Medium
## 1849          Right 06/05/1987  29             CB/RB Medium / Medium
## 1850          Right 07/09/1990  26             LB/RB     High / High
## 1851          Right 02/01/1990  27                ST   High / Medium
## 1852          Right 05/26/1987  29             LM/RM     High / High
## 1853          Right 06/15/1988  28                GK Medium / Medium
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## 1854           Right 08/17/1988  28             RB/CDM   High / Medium
## 1855           Right 07/14/1988  28              LM/ST    Medium / Low
## 1856           Right 10/23/1990  26                 CB   Medium / High
## 1857           Right 11/14/1989  27              CM/CB Medium / Medium
## 1858           Right 07/17/1988  28             LB/CDM   High / Medium
## 1859           Right 08/15/1988  28              LW/RW      High / Low
## 1860            Left 01/09/1985  32                 CM Medium / Medium
## 1861            Left 01/30/1989  28           LB/LM/LW   High / Medium
## 1862           Right 05/18/1986  30                 CB   Medium / High
## 1863           Right 11/03/1987  29              ST/CF   High / Medium
## 1864            Left 08/08/1990  26                 ST    Medium / Low
## 1865           Right 02/21/1987  30             CM/CDM     High / High
## 1866           Right 11/18/1989  27              RM/RW Medium / Medium
## 1867            Left 07/25/1990  26          LM/CM/CAM Medium / Medium
## 1868           Right 12/15/1988  28              LM/ST   High / Medium
## 1869           Right 06/28/1988  28              CB/RB Medium / Medium
## 1870           Right 03/13/1991  26              RM/LM Medium / Medium
## 1871            Left 07/05/1988  28                 LB   High / Medium
## 1872           Right 05/09/1988  28             CAM/ST      High / Low
## 1873           Right 01/07/1991  26             CM/CAM   High / Medium
## 1874           Right 03/13/1987  30                 GK Medium / Medium
## 1875           Right 10/10/1990  26                 CB Medium / Medium
## 1876            Left 01/22/1987  30             LB/LWB      High / Low
## 1877           Right 03/16/1989  28             CDM/CM     High / High
## 1878            Left 10/13/1984  32          CAM/LM/CM      High / Low
## 1879           Right 11/11/1988  28                 RB   High / Medium
## 1880            Left 09/28/1987  29                 ST Medium / Medium
## 1881            Left 03/03/1988  29                 CB Medium / Medium
## 1882           Right 10/29/1989  27              RB/LB Medium / Medium
## 1883           Right 12/24/1986  30                 RB Medium / Medium
## 1884            Left 08/29/1990  26                 LB      High / Low
## 1885           Right 01/23/1989  28                 CB Medium / Medium
## 1886           Right 08/12/1989  27             CAM/RM    Medium / Low
##       Weak_foot Skill_Moves Ball_Control Dribbling Marking Sliding_Tackle
## 1             4           5           93        92      22             23
## 2             4           4           95        97      13             26
## 3             5           5           95        96      21             33
## 4             4           4           91        86      30             38
## 5             4           1           48        30      10             11
## 6             3           1           31        13      13             13
## 7             4           3           87        85      25             19
## 8             3           4           88        89      51             52
## 9             4           4           90        87      15             27
## 10            3           1           23        13      11             16
## 11            4           2           72        67      90             91
## 12            4           4           91        93      25             22
## 13            4           4           92        86      66             73
## 14            2           4           90        86      22             19
## 15            4           3           85        84      12             18
## 16            3           3           80        68      90             89
## 17            3           3           83        61      85             90
## 18            4           4           89        89      13             12
## 19            4           5           90        89      68             76
## 20            3           4           86        87      23             11
```

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## 21          4          4          86         85         30          40
## 22          4          4          85         86         30          46
## 23          3          4          86         89         30          35
## 24          5          3          85         78         63          65
## 25          3          2          76         53         87          89
## 26          3          2          77         68         85          87
## 27          1          1          34         10         12          18
## 28          2          2          55         56         92          90
## 29          3          3          86         82         86          95
## 30          3          2          62         58         88          89
## 31          3          1          22         12         11          12
## 32          2          1          28         26         10          11
## 33          4          4          93         90         57          56
## 34          3          1          16         12         14          18
## 35          3          4          85         84         25          30
## 36          4          3          82         82         28          36
## 37          3          2          75         68         84          88
## 38          4          3          83         76         76          84
## 39          3          3          87         84         52          53
## 40          2          4          90         85         23          29
## 41          2          1          24         18         17          13
## 42          3          2          78         59         86          86
## 43          2          4          89         91         29          26
## 44          3          4          91         91         14          20
## 45          4          4          87         88         76          79
## 46          4          3          83         79         81          83
## 47          5          4          89         87         49          55
## 48          4          1          22         16          8          18
## 49          4          3          82         75         31          44
## 50          3          3          80         74         81          80
## 51          3          5          91         90         49          62
## 52          3          3          84         80         81          83
## 53          4          4          88         88         24          40
## 54          2          5          87         87         37          56
## 55          4          3          83         79         28          34
## 56          3          3          80         80         24          27
## 57          3          3          85         80         78          88
## 58          4          4          87         83         80          87
## 59          4          4          85         84         72          78
## 60          3          2          67         62         89          89
## 61          4          4          86         82         13          12
## 62          3          3          86         80         60          62
## 63          4          5          90         90         13          26
## 64          5          4          87         86         58          52
## 65          3          2          65         60         90          90
## 66          3          3          82         77         41          38
## 67          4          4          84         85         23          30
## 68          3          1          19         16         12          14
## 69          4          3          79         76         27          30
## 70          5          4          86         84         38          22
## 71          4          4          88         87         57          64
## 72          3          2          70         61         86          83
## 73          4          4          86         87         43          51
## 74          4          4          89         86         60          64
```

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## 75          3          3          88         83         25          21
## 76          3          2          71         62         82          87
## 77          4          4          90         89         29          39
## 78          4          4          88         88         30          40
## 79          3          2          58         58         87          86
## 80          4          3          86         83         60          62
## 81          2          2          77         73         83          81
## 82          3          1          15         12         11          11
## 83          3          2          67         62         83          86
## 84          3          3          81         77         85          86
## 85          3          2          66         63         85          86
## 86          2          2          71         55         86          85
## 87          4          4          85         90         19          26
## 88          3          2          83         76         85          86
## 89          4          5          90         88         25          21
## 90          3          2          75         57         84          85
## 91          4          2          79         75         17          21
## 92          3          4          90         88         16          22
## 93          3          4          90         89         25          49
## 94          4          3          86         80         63          51
## 95          2          2          65         54         88          87
## 96          2          1          19         11         15          13
## 97          3          2          64         41         81          83
## 98          3          2          70         53         82          85
## 99          3          3          79         72         76          77
## 100         3          3          81         82         76          82
## 101         2          2          59         51         86          82
## 102         3          5          84         87         41          44
## 103         3          3          85         76         72          75
## 104         2          4          85         86         30          43
## 105         3          3          83         75         70          85
## 106         5          4          83         84         26          45
## 107         3          3          79         66         80          84
## 108         4          2          81         78         76          78
## 109         3          2          70         60         85          84
## 110         2          1          24         15         12          10
## 111         3          1          14         15         12          14
## 112         4          4          87         85         57          61
## 113         3          2          65         64         86          84
## 114         3          1          17         15         10          13
## 115         3          3          85         84         72          84
## 116         4          4          88         87         54          65
## 117         3          2          80         58         82          83
## 118         3          3          80         79         46          49
## 119         4          3          82         79         66          75
## 120         3          2          63         59         83          86
## 121         3          2          56         47         85          87
## 122         3          3          79         76         75          85
## 123         3          1          15         15         16          17
## 124         4          3          85         84         67          61
## 125         4          3          83         84         65          64
## 126         3          2          76         65         85          86
## 127         2          3          80         80         12          14
## 128         4          3          78         79         77          71
```

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## 129          3          4          84         87         28          33
## 130          2          4          84         86         48          54
## 131          5          4          85         87         25          26
## 132          4          4          83         87         30          42
## 133          2          3          71         69         79          83
## 134          2          2          57         54         85          84
## 135          3          2          77         77         80          78
## 136          4          1          22         20         11          12
## 137          3          2          77         69         79          85
## 138          4          3          85         86         25          23
## 139          2          1          21         15         13          13
## 140          3          1          23         19         14          19
## 141          2          2          71         68         85          78
## 142          3          5          85         90         52          62
## 143          3          3          84         85         20          18
## 144          4          1          18         17         10          10
## 145          4          4          90         88         16          23
## 146          4          4          85         81         66          68
## 147          4          4          87         88         49          51
## 148          3          2          61         59         81          81
## 149          5          4          85         84         30          31
## 150          3          3          84         84         58          68
## 151          2          1          23         16         14          16
## 152          3          4          84         82         37          47
## 153          3          3          82         72         75          78
## 154          3          3          84         81         62          67
## 155          3          2          73         43         85          86
## 156          5          2          72         64         86          82
## 157          2          3          84         82         24          32
## 158          4          3          85         82         80          73
## 159          3          3          77         70         87          87
## 160          4          4          87         86         23          28
## 161          3          3          78         73         25          19
## 162          3          2          77         73         48          48
## 163          5          4          86         85         60          62
## 164          3          2          82         72         26          20
## 165          2          1          23         20         13          11
## 166          4          1          25         15         11          12
## 167          5          3          88         84         23          25
## 168          3          3          80         76         23          39
## 169          3          1          15         13         11          19
## 170          3          2          76         74         79          83
## 171          3          2          74         70         81          81
## 172          2          1          24         16         13          12
## 173          4          2          68         60         82          85
## 174          2          4          81         82         15          12
## 175          3          2          64         59         84          82
## 176          3          2          73         62         84          82
## 177          5          4          87         85         35          44
## 178          3          2          63         58         83          84
## 179          4          2          69         57         81          80
## 180          3          3          79         78         81          82
## 181          3          1          24         12         14          13
## 182          4          4          88         86         58          62
```

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## 183          4          5          86         91         33          23
## 184          3          1          20         23         14          13
## 185          3          3          79         77         83          80
## 186          5          3          85         83         32          37
## 187          4          5          86         87         15          20
## 188          3          2          75         76         78          82
## 189          4          3          80         77         48          37
## 190          4          2          78         64         75          82
## 191          3          1          23         10         12          24
## 192          4          5          87         89         10          13
## 193          3          4          85         82         30          41
## 194          3          4          86         86         46          35
## 195          3          2          76         74         34          24
## 196          4          2          64         55         82          80
## 197          4          4          84         88         35          38
## 198          3          3          83         80         57          57
## 199          2          1          30         21          9           8
## 200          2          4          87         87         37          41
## 201          3          4          82         85         33          38
## 202          4          3          82         81         23          37
## 203          3          3          89         88         33          37
## 204          4          4          84         81         53          58
## 205          3          2          73         69         80          83
## 206          3          2          66         47         85          84
## 207          3          2          82         72         72          80
## 208          3          1          23         16         13          13
## 209          3          3          83         79         73          77
## 210          3          2          71         69         82          81
## 211          3          1          26         21         16          11
## 212          4          3          83         82         14          20
## 213          3          4          84         88         39          48
## 214          4          4          85         86         21          31
## 215          3          2          67         57         86          83
## 216          3          4          83         81         30          25
## 217          4          3          80         70         71          68
## 218          4          2          72         61         85          82
## 219          4          3          83         88         29          58
## 220          4          4          82         83         62          52
## 221          3          3          79         76         78          83
## 222          3          2          75         63         75          72
## 223          4          4          82         86         45          56
## 224          4          2          67         64         80          86
## 225          4          2          74         68         78          82
## 226          3          2          79         75         78          82
## 227          2          2          71         53         83          85
## 228          3          3          80         78         78          84
## 229          4          4          83         84         51          53
## 230          3          3          79         77         31          32
## 231          3          3          75         77         81          86
## 232          4          2          80         67         85          75
## 233          2          3          84         84         61          65
## 234          4          4          84         87         30          27
## 235          4          1          24         10         10          10
## 236          3          4          85         87         38          40
```

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## 237          2          2          75         75         79         84
## 238          3          5          88         87         45         42
## 239          3          2          73         69         78         87
## 240          3          4          82         84         47         38
## 241          3          3          82         78         55         57
## 242          3          4          84         89         24         25
## 243          4          4          85         84         47         30
## 244          3          3          80         74         73         76
## 245          3          1          23         15         13         24
## 246          2          2          61         50         78         81
## 247          3          2          64         53         81         78
## 248          2          1          23         25         17         16
## 249          3          3          73         65         83         82
## 250          4          2          79         75         11         16
## 251          3          3          77         78         83         84
## 252          3          3          79         76         22         25
## 253          3          2          80         73         59         65
## 254          3          2          75         72         76         82
## 255          3          4          85         83         69         71
## 256          3          2          79         75         76         80
## 257          4          4          85         84         40         53
## 258          2          4          81         82         12         14
## 259          2          1          22         18         19         12
## 260          1          3          80         82         78         77
## 261          4          3          82         80         72         78
## 262          4          3          81         74         16         19
## 263          2          1          15         14         14         15
## 264          3          1          23         10         12         19
## 265          4          3          82         81         68         66
## 266          2          4          84         85         67         65
## 267          4          3          82         79         54         61
## 268          3          2          74         62         85         83
## 269          4          3          84         76         70         77
## 270          3          1          12         13         16         14
## 271          3          2          67         54         85         83
## 272          4          2          75         74         20         20
## 273          3          2          79         74         76         74
## 274          3          1          23         11         14         14
## 275          4          4          83         87         29         31
## 276          4          4          86         87         24         34
## 277          3          2          72         62         82         82
## 278          3          1          23         11         12         11
## 279          4          4          84         81         14         31
## 280          4          3          76         78         73         78
## 281          5          4          85         82         22         38
## 282          3          1          30         12         10         10
## 283          3          2          65         39         86         84
## 284          2          3          75         74         82         86
## 285          4          2          81         75         62         70
## 286          3          2          80         71         75         72
## 287          4          2          86         76         40         39
## 288          2          1          23         25         11         13
## 289          5          5          82         88         29         27
## 290          3          3          78         74         75         73
```

```
## 291          4          3          84         81         64         70
## 292          3          4          87         86         34         37
## 293          3          2          46         42         82         82
## 294          3          3          86         85         22         30
## 295          4          3          80         81         73         76
## 296          2          4          81         83         22         25
## 297          3          2          81         79         66         68
## 298          4          3          81         79         71         78
## 299          4          4          82         83         25         27
## 300          5          3          76         76         15         32
## 301          3          3          81         74         77         81
## 302          4          4          87         88         52         61
## 303          3          1          12         14         18         11
## 304          4          4          82         82         38         42
## 305          3          3          84         77         63         70
## 306          3          4          82         84         29         31
## 307          4          3          77         78         16         22
## 308          2          2          67         53         85         84
## 309          3          4          86         86         19         18
## 310          4          4          86         89         20         22
## 311          4          4          86         87         24         42
## 312          3          1          32         12         18         11
## 313          5          4          83         85         28         26
## 314          3          4          82         81         24         26
## 315          5          3          86         85         56         52
## 316          4          3          82         80         30         21
## 317          3          3          78         70         82         81
## 318          4          3          79         83         23         42
## 319          4          4          85         84         64         70
## 320          3          2          75         73         83         82
## 321          4          4          84         87         18         25
## 322          3          1          19         10         11         13
## 323          4          2          80         73         82         77
## 324          3          3          81         76         66         80
## 325          4          3          76         74         25         28
## 326          3          2          80         69         72         79
## 327          4          3          83         75         59         51
## 328          4          3          78         75         25         13
## 329          3          2          69         58         77         81
## 330          3          2          70         60         29         26
## 331          4          3          77         78         81         78
## 332          3          2          75         64         75         74
## 333          3          3          81         77         77         73
## 334          3          3          82         78         70         70
## 335          3          2          72         72         83         81
## 336          4          3          82         77         63         57
## 337          4          4          85         81         16         20
## 338          3          1          22         11         11         12
## 339          4          3          79         74         22         28
## 340          3          2          79         70         72         74
## 341          4          3          80         72         25         18
## 342          4          3          79         75         71         82
## 343          3          2          71         69         79         77
## 344          3          2          65         60         86         81
```

```
## 345          3          3          84         85         59         64
## 346          2          2          70         48         82         78
## 347          3          2          67         42         80         80
## 348          3          4          76         75         23         21
## 349          5          3          78         77         71         76
## 350          2          1          15         12         11         18
## 351          3          2          80         75         79         81
## 352          4          2          64         58         80         87
## 353          3          4          81         83         21         34
## 354          4          4          82         82         20         19
## 355          3          3          82         78         57         64
## 356          4          4          85         83         54         50
## 357          3          2          66         56         85         80
## 358          3          3          84         74         54         63
## 359          4          4          84         83         21         23
## 360          2          4          83         86         37         39
## 361          3          2          54         42         82         80
## 362          3          3          76         79         80         84
## 363          4          4          84         85         67         59
## 364          2          2          59         46         80         81
## 365          3          3          79         81         33         36
## 366          4          3          75         74         84         84
## 367          4          2          72         60         78         85
## 368          3          4          83         87         22         32
## 369          3          3          77         75         22         23
## 370          2          3          78         78         33         39
## 371          3          3          79         72         36         32
## 372          3          3          76         73         84         83
## 373          3          3          83         72         78         77
## 374          3          1          22         14         13         14
## 375          3          3          81         83         11         14
## 376          2          2          64         44         82         75
## 377          3          1          14         15         13         12
## 378          2          1          24         13         13         14
## 379          4          1          23         11         13         13
## 380          4          3          77         78         24         11
## 381          4          3          83         68         68         75
## 382          4          3          81         82         17         18
## 383          3          1          32         27         19         16
## 384          4          3          80         74         22         29
## 385          4          4          82         83         23         32
## 386          4          2          60         45         82         81
## 387          3          4          80         80         20         35
## 388          3          4          83         70         53         69
## 389          3          4          82         85         32         33
## 390          3          3          83         86         26         35
## 391          3          2          77         72         67         74
## 392          3          4          86         86         24         30
## 393          4          2          81         78         73         67
## 394          3          4          81         80         28         31
## 395          2          1          22         19         19         13
## 396          4          4          88         86         17         28
## 397          3          2          61         49         82         79
## 398          2          3          81         83         63         63
```

```
## 399          3          4          79         86         11         15
## 400          2          1          21         16         20         16
## 401          4          3          78         77         76         77
## 402          4          4          81         86         25         24
## 403          4          5          86         88         44         32
## 404          4          4          82         86         21         28
## 405          3          2          65         60         85         83
## 406          3          4          82         83         74         72
## 407          2          3          78         75         79         80
## 408          3          3          76         75         48         51
## 409          2          3          85         80         40         36
## 410          4          4          82         82         23         17
## 411          4          3          82         81         69         77
## 412          3          2          64         57         80         77
## 413          3          2          78         64         80         79
## 414          2          2          76         79         79         78
## 415          3          3          82         80         17         19
## 416          3          2          67         59         82         79
## 417          3          2          66         35         81         86
## 418          3          3          85         84         40         42
## 419          3          2          67         48         80         80
## 420          3          2          62         65         80         79
## 421          3          3          77         76         75         80
## 422          3          4          80         85         28         35
## 423          3          2          77         73         59         57
## 424          4          3          80         76         22         18
## 425          4          4          84         84         22         15
## 426          3          3          80         76         78         81
## 427          4          4          84         87         47         66
## 428          2          2          63         57         82         86
## 429          4          4          85         84         26         30
## 430          4          2          77         76         78         79
## 431          4          2          71         55         80         83
## 432          3          4          87         83         28         30
## 433          3          3          81         79         17         33
## 434          3          3          78         77         76         80
## 435          3          4          80         81         56         70
## 436          3          3          80         74         78         79
## 437          3          4          86         87         36         34
## 438          3          3          84         80         18         20
## 439          3          2          73         67         76         86
## 440          3          3          79         83         27         40
## 441          3          2          57         56         76         84
## 442          4          4          82         81         54         55
## 443          3          2          77         69         83         82
## 444          3          2          69         60         81         82
## 445          2          1          23         15         14         14
## 446          2          1          24         19         19         15
## 447          3          2          80         69         75         82
## 448          3          3          82         79         45         49
## 449          4          4          83         84         49         52
## 450          3          1          17         19         10         14
## 451          3          2          74         73         79         84
## 452          4          3          83         82         48         67
```

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## 453          5          4          84         90         37          40
## 454          4          2          75         67         78          76
## 455          3          1          22         12         19          12
## 456          4          4          80         84         38          21
## 457          4          4          82         81         40          33
## 458          2          5          87         84         25          25
## 459          3          4          85         84         35          32
## 460          3          1          17         13         15          14
## 461          2          2          72         63         78          82
## 462          3          3          78         72         78          80
## 463          2          2          71         67         79          84
## 464          4          4          81         83         27          30
## 465          3          4          84         85         41          37
## 466          4          3          78         77         26          24
## 467          3          2          80         78         77          75
## 468          3          4          81         82         72          76
## 469          2          1          22         12         11          13
## 470          3          3          78         81         23          33
## 471          4          3          80         73         70          76
## 472          3          2          74         78         75          82
## 473          5          3          75         74         81          82
## 474          2          4          78         87         32          40
## 475          5          4          87         86         24          22
## 476          3          2          59         61         81          83
## 477          4          3          83         81         32          34
## 478          5          3          78         76         10          10
## 479          2          4          80         84         45          55
## 480          4          4          88         85         26          30
## 481          4          4          81         83         22          32
## 482          3          2          66         58         87          83
## 483          4          3          85         83         18          26
## 484          2          1          20         12         12          11
## 485          3          2          77         73         79          81
## 486          4          2          74         63         80          81
## 487          3          2          80         72         75          68
## 488          3          3          82         80         54          68
## 489          3          2          57         43         81          82
## 490          3          2          74         69         78          79
## 491          4          4          83         79         59          72
## 492          2          2          68         56         82          82
## 493          5          3          74         72         79          83
## 494          3          3          81         80         59          68
## 495          4          2          79         72         76          80
## 496          2          3          84         80         60          72
## 497          4          3          85         80         52          55
## 498          3          2          76         74         79          82
## 499          3          2          58         54         82          80
## 500          2          1          18         15         16          13
## 501          4          3          82         71         72          73
## 502          3          2          69         73         76          83
## 503          3          2          78         76         78          80
## 504          3          2          61         49         82          84
## 505          3          2          54         50         84          80
## 506          2          1          22         14         11          13
```

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## 507          3          1          25         14         15          14
## 508          4          3          76         72         20          22
## 509          4          2          63         49         83          79
## 510          4          3          76         75         75          67
## 511          3          1          22         15         17          13
## 512          4          4          82         77         45          59
## 513          3          1          12         12         12          10
## 514          2          1          21         15         18          12
## 515          3          1          20         11         19          14
## 516          4          3          78         77         76          79
## 517          3          1          35         18         15          14
## 518          3          3          78         76         73          74
## 519          4          3          80         74         75          73
## 520          5          2          79         72         80          79
## 521          3          3          81         72         68          75
## 522          3          1          20         13         12          13
## 523          3          2          79         65         68          73
## 524          3          2          62         49         81          81
## 525          3          1          20         12         11          13
## 526          3          4          82         82         23          21
## 527          3          2          76         68         79          80
## 528          5          3          91         82         14          10
## 529          3          1          26         20         12          16
## 530          3          3          75         77         74          77
## 531          3          3          76         73         27          38
## 532          4          3          84         80         67          69
## 533          4          4          76         71         35          34
## 534          3          2          79         76         74          79
## 535          3          2          60         59         79          76
## 536          3          4          82         82         55          61
## 537          3          2          76         75         76          78
## 538          4          4          82         81         63          61
## 539          3          2          65         63         76          76
## 540          4          4          80         84         23          31
## 541          3          3          81         65         65          75
## 542          3          2          68         61         77          80
## 543          4          4          85         87         46          44
## 544          3          2          71         68         81          81
## 545          3          4          79         77         70          60
## 546          2          1          23         13         18          13
## 547          3          4          76         78         30          18
## 548          4          4          82         86         32          27
## 549          3          2          76         77         77          79
## 550          3          3          78         78         64          73
## 551          3          3          79         81         23          26
## 552          4          2          74         72         77          80
## 553          3          3          80         81         78          77
## 554          3          2          66         58         82          78
## 555          4          4          83         82         48          70
## 556          3          3          84         83         73          79
## 557          4          3          78         83         78          75
## 558          4          4          83         85         43          62
## 559          2          4          81         84         35          43
## 560          4          3          80         76         78          78
```

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## 561          3          2          72         62         79          79
## 562          3          4          85         86         23          32
## 563          4          1          16         10         19          16
## 564          3          3          79         78         60          65
## 565          3          3          76         76         40          30
## 566          3          3          81         80         52          54
## 567          4          3          79         81         28          43
## 568          4          4          84         81         39          25
## 569          3          3          83         80         58          61
## 570          3          2          76         71         29          32
## 571          3          3          83         84         78          79
## 572          3          2          75         72         77          75
## 573          2          2          64         44         83          74
## 574          3          2          79         70         80          81
## 575          3          2          56         49         74          77
## 576          3          3          77         76         28          36
## 577          4          3          85         79         65          71
## 578          3          3          74         58         79          77
## 579          2          4          80         85         24          20
## 580          4          4          84         83         16          12
## 581          4          3          77         79         76          77
## 582          3          2          68         60         76          81
## 583          2          2          66         39         82          78
## 584          3          3          80         84         15          33
## 585          3          4          82         81         33          42
## 586          4          2          75         74         74          78
## 587          2          2          65         60         80          80
## 588          3          3          81         78         62          64
## 589          4          2          76         76         76          79
## 590          3          2          58         54         84          80
## 591          3          1          23         11         11          12
## 592          3          3          79         73         74          81
## 593          4          3          79         72         26          26
## 594          5          4          78         84         17          23
## 595          2          2          81         69         70          73
## 596          3          3          82         80         35          43
## 597          4          3          80         79         63          67
## 598          2          4          85         83         40          26
## 599          4          3          78         73         73          79
## 600          4          4          81         85         26          28
## 601          4          4          82         85         39          42
## 602          4          3          79         78         79          75
## 603          3          2          66         55         76          73
## 604          3          3          80         81         71          73
## 605          4          4          83         78         29          31
## 606          3          3          80         83         20          25
## 607          3          2          63         59         76          78
## 608          4          3          79         76         29          35
## 609          4          3          80         80         26          30
## 610          4          3          80         83         24          43
## 611          3          2          68         51         82          82
## 612          4          4          77         80         32          26
## 613          3          3          78         69         76          78
## 614          4          4          79         79         42          41
```

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## 615          2          3          76         67         75          81
## 616          3          3          78         78         74          76
## 617          3          2          69         44         77          80
## 618          4          2          76         77         75          76
## 619          3          2          79         77         70          78
## 620          4          1          34         15         16          16
## 621          3          3          81         76         76          79
## 622          4          4          86         84         23          35
## 623          4          2          50         46         78          82
## 624          3          4          82         80         14          16
## 625          4          2          78         67         79          80
## 626          3          3          78         77         77          82
## 627          3          3          80         78         64          70
## 628          3          2          78         72         24          32
## 629          4          2          68         62         80          77
## 630          3          4          85         85         20          25
## 631          3          2          72         72         77          79
## 632          3          2          74         65         77          76
## 633          3          2          76         64         79          78
## 634          2          1          19         14         12          15
## 635          3          4          77         80         34          37
## 636          4          3          81         80         65          68
## 637          3          3          78         71         25          19
## 638          3          2          55         50         80          79
## 639          3          2          73         73         73          72
## 640          2          3          75         74         78          80
## 641          3          3          82         71         69          81
## 642          3          4          84         85         25          31
## 643          2          2          72         62         78          82
## 644          3          2          76         66         75          74
## 645          2          1          31         12         15          18
## 646          2          3          78         78         69          71
## 647          3          2          76         77         77          82
## 648          2          2          76         69         80          79
## 649          3          2          76         70         74          73
## 650          3          2          82         73         70          74
## 651          3          1          35         25         18          11
## 652          4          4          81         83         65          63
## 653          4          3          77         79         70          73
## 654          3          3          75         72         29          45
## 655          2          4          85         85         45          48
## 656          4          3          77         72         12          25
## 657          2          2          74         65         77          80
## 658          3          1          32         12         10          12
## 659          4          4          83         83         40          33
## 660          3          3          84         82         31          28
## 661          4          5          86         88         52          56
## 662          3          2          65         54         80          77
## 663          2          1          24         14         13          16
## 664          3          1          25         12         14          15
## 665          3          2          73         72         73          82
## 666          2          2          63         55         82          78
## 667          4          3          76         79         27          33
## 668          3          3          78         76         30          30
```

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## 669          3          3          81         80         65          74
## 670          2          2          68         39         78          82
## 671          3          2          60         45         86          82
## 672          3          2          78         59         77          76
## 673          3          2          69         66         85          85
## 674          2          2          59         55         81          77
## 675          3          3          86         83         14          20
## 676          3          2          77         67         15          15
## 677          3          2          76         72         39          35
## 678          3          3          74         72         78          78
## 679          4          4          82         81         36          54
## 680          3          3          79         80         17          29
## 681          4          4          83         82         62          68
## 682          3          2          66         38         80          78
## 683          4          4          79         79         31          47
## 684          3          2          79         77         72          72
## 685          4          4          84         83         48          49
## 686          3          2          74         65         80          80
## 687          4          4          78         80         31          31
## 688          4          2          76         71         76          79
## 689          4          3          75         69         20          23
## 690          2          2          58         50         74          81
## 691          3          2          49         45         85          80
## 692          3          2          78         73         80          73
## 693          3          3          78         74         52          47
## 694          3          3          80         82         27          26
## 695          3          3          82         76         15          36
## 696          3          3          74         62         71          80
## 697          3          1          12         19         14          14
## 698          4          4          80         77         25          24
## 699          3          1          18         10         11          12
## 700          3          2          70         68         80          72
## 701          3          3          65         69         20          26
## 702          3          1          22         16         10          14
## 703          3          4          82         80         34          37
## 704          2          3          83         75         81          75
## 705          3          3          83         70         58          65
## 706          3          1          29         13         11          14
## 707          3          1          22         16          9          11
## 708          3          3          79         83         22          25
## 709          3          3          75         73         38          68
## 710          4          5          83         85         20          19
## 711          3          3          82         81         35          30
## 712          3          3          78         77         34          35
## 713          3          2          77         75         18          22
## 714          3          2          73         70         76          78
## 715          3          3          76         79         53          54
## 716          3          2          69         37         80          81
## 717          3          3          76         74         37          46
## 718          4          3          83         82         21          15
## 719          2          2          77         66         82          68
## 720          3          4          78         83         18          15
## 721          3          3          71         70         73          78
## 722          3          4          81         80         17          29
```

```
## 723          3          1          22         17         14          15
## 724          4          3          77         85         43          45
## 725          2          3          77         79         71          80
## 726          4          3          80         81         20          26
## 727          2          2          73         72         75          79
## 728          2          2          56         50         77          78
## 729          3          3          77         74         23          16
## 730          4          2          76         72         20          22
## 731          3          3          81         80         69          68
## 732          3          2          74         51         77          81
## 733          2          3          76         77         75          76
## 734          4          3          77         78         17          19
## 735          4          2          72         71         46          48
## 736          2          2          65         60         78          76
## 737          3          4          82         84         42          47
## 738          2          3          79         81         72          76
## 739          3          2          67         63         78          78
## 740          2          1          24         16         17          12
## 741          4          2          72         69         83          80
## 742          2          2          64         62         78          82
## 743          3          2          72         68         72          73
## 744          3          2          65         59         80          78
## 745          3          3          82         78         49          41
## 746          2          2          66         44         78          78
## 747          3          2          66         56         79          78
## 748          3          2          76         71         80          81
## 749          4          3          76         75         37          45
## 750          2          2          65         60         80          78
## 751          3          3          85         88         26          21
## 752          4          3          75         74         29          28
## 753          2          4          77         79         38          42
## 754          3          2          75         73         74          77
## 755          4          4          82         84         16          20
## 756          3          3          78         71         76          75
## 757          4          3          79         80         38          38
## 758          2          4          77         76         59          49
## 759          4          4          80         81         19          25
## 760          2          2          65         52         76          73
## 761          4          2          77         70         75          72
## 762          3          3          68         67         72          73
## 763          4          3          80         70         70          76
## 764          3          1          20         24         14          15
## 765          2          2          72         69         13          20
## 766          4          3          80         83         37          44
## 767          3          3          83         83         19          19
## 768          3          2          64         34         80          76
## 769          3          3          73         72         76          81
## 770          3          3          80         78         33          24
## 771          3          3          83         76         20          25
## 772          3          2          64         53         78          78
## 773          4          2          80         70         64          61
## 774          4          3          82         73         55          61
## 775          4          1          24         13         16          17
## 776          4          3          76         75         47          44
```

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## 777          3          2          56         52         78          81
## 778          3          2          66         59         79          77
## 779          4          3          82         67         71          78
## 780          3          3          83         78         13          20
## 781          4          4          79         79         39          33
## 782          2          2          74         66         31          22
## 783          4          2          80         69         14          24
## 784          3          3          79         73         26          22
## 785          4          3          82         81         21          14
## 786          5          2          77         72         72          74
## 787          3          3          82         73         55          54
## 788          4          3          76         74         13          15
## 789          3          1          23         14         12          17
## 790          3          3          82         82         58          66
## 791          3          2          72         62         77          81
## 792          3          2          71         67         75          73
## 793          3          2          68         58         78          78
## 794          2          2          67         64         76          77
## 795          4          4          83         84         24          32
## 796          4          4          86         83         29          27
## 797          4          3          78         71         76          75
## 798          4          4          78         81         44          53
## 799          3          2          59         47         80          83
## 800          3          2          74         65         75          74
## 801          5          3          80         78         58          49
## 802          3          4          80         81         33          34
## 803          3          3          78         81         16          27
## 804          2          1          17         12         14          11
## 805          4          5          83         87         27          17
## 806          4          3          78         72         71          75
## 807          4          3          78         80         68          76
## 808          2          4          80         79         20          40
## 809          4          3          83         81         39          53
## 810          4          3          80         74         77          74
## 811          3          2          69         66         77          78
## 812          3          3          70         65         42          21
## 813          2          1          26         25         18          16
## 814          4          4          80         83         24          20
## 815          3          4          85         83         44          48
## 816          3          2          63         40         80          75
## 817          4          4          81         80         20          39
## 818          4          3          79         74         39          44
## 819          3          3          77         77         60          66
## 820          3          2          67         28         79          73
## 821          4          4          83         85         25          30
## 822          4          2          73         65         15          12
## 823          2          4          78         82         36          38
## 824          4          4          83         87         26          20
## 825          3          2          49         35         82          79
## 826          3          2          41         39         83          83
## 827          3          3          79         83         63          71
## 828          3          3          75         78         21          24
## 829          3          3          75         65         33          25
## 830          3          2          71         64         78          77
```

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## 831          4          4          75         79         27         20
## 832          3          2          74         67         42         43
## 833          5          3          80         77         38         40
## 834          3          2          69         60         76         74
## 835          3          3          80         77         24         23
## 836          2          1          21         16         14         18
## 837          4          3          81         77         55         71
## 838          4          2          74         67         66         70
## 839          3          2          74         74         75         79
## 840          3          2          65         62         78         74
## 841          2          2          52         52         84         78
## 842          3          3          74         73         16         28
## 843          3          3          82         72         72         66
## 844          3          1          25         21         12         12
## 845          3          3          75         74         23         28
## 846          2          2          76         77         78         79
## 847          3          2          62         54         79         82
## 848          3          3          84         83         34         32
## 849          4          3          80         78         68         65
## 850          3          2          74         72         76         78
## 851          4          4          80         84         63         64
## 852          5          3          79         80         69         67
## 853          5          1          33         20         13         12
## 854          3          3          82         75         51         49
## 855          3          3          79         66         74         70
## 856          3          3          80         74         64         70
## 857          3          3          78         74         74         71
## 858          4          4          81         80         14         18
## 859          2          1          25         13         15         14
## 860          4          2          77         73         71         76
## 861          4          1          39         23         15         14
## 862          3          3          77         74         80         82
## 863          2          2          65         57         79         77
## 864          2          3          76         76         70         76
## 865          4          3          79         69         63         58
## 866          4          3          80         72         31         27
## 867          4          3          79         78         58         61
## 868          5          3          82         81         74         80
## 869          3          1          22         14         15         13
## 870          3          2          64         42         82         78
## 871          2          3          81         73         61         64
## 872          3          2          74         66         78         74
## 873          2          2          64         54         76         78
## 874          4          3          85         75         60         68
## 875          4          2          81         75         15         15
## 876          4          4          81         83         19         27
## 877          4          4          77         83         21         37
## 878          4          2          76         70         70         75
## 879          4          2          72         64         80         81
## 880          3          2          64         55         76         78
## 881          3          3          84         82         31         30
## 882          3          3          80         77         66         74
## 883          3          4          79         79         51         61
## 884          3          3          77         74         65         76
```

```
## 885          3          3          81         84         40          37
## 886          3          2          77         70         78          78
## 887          2          1          16         15         14          14
## 888          3          3          79         71         33          38
## 889          2          3          81         77         79          79
## 890          3          3          77         79         75          77
## 891          4          3          82         80         54          60
## 892          3          2          70         56         80          77
## 893          3          1          30         12         15          12
## 894          5          3          77         78         18          25
## 895          3          2          53         31         78          77
## 896          2          1          25         15         14          15
## 897          3          2          53         33         77          71
## 898          4          3          82         75         65          60
## 899          2          3          76         72         25          28
## 900          3          2          49         46         84          78
## 901          3          4          85         81         24          23
## 902          3          2          73         65         74          78
## 903          4          2          83         78         72          72
## 904          3          3          83         85         29          39
## 905          4          3          80         77         18          24
## 906          3          2          59         42         81          78
## 907          3          2          55         54         83          78
## 908          4          3          81         83         41          40
## 909          3          1          10         14          5          12
## 910          4          3          77         78         72          64
## 911          3          3          73         72         16          15
## 912          3          2          71         72         77          76
## 913          3          3          75         76         70          77
## 914          3          3          69         73         28          24
## 915          5          4          76         75         20          21
## 916          3          2          66         43         73          76
## 917          3          2          71         76         68          76
## 918          5          2          72         71         77          75
## 919          2          1          21          9         12          13
## 920          3          2          75         68         78          80
## 921          3          2          75         79         73          74
## 922          3          2          77         76         68          70
## 923          3          2          69         53         72          81
## 924          4          2          75         68         19          22
## 925          3          2          78         67         68          72
## 926          3          2          77         68         64          69
## 927          3          1          24         18         12          18
## 928          3          4          79         80         45          44
## 929          4          3          78         75         75          70
## 930          3          2          69         58         78          79
## 931          2          3          76         78         71          74
## 932          3          4          79         83         39          38
## 933          4          4          79         81         16          17
## 934          4          2          72         75         74          75
## 935          3          3          81         79         70          74
## 936          4          4          77         82         25          25
## 937          3          1          30         25         18          16
## 938          3          3          78         79         60          55
```

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## 939          5          4          79         80         48          44
## 940          3          2          62         42         77          81
## 941          3          3          79         73         64          70
## 942          3          3          76         79         35          42
## 943          4          3          81         75         15          24
## 944          3          2          68         58         78          76
## 945          3          2          62         55         78          77
## 946          2          2          52         45         78          76
## 947          5          3          81         76         64          69
## 948          3          4          80         81         26          21
## 949          2          1          17         20         14          19
## 950          3          2          76         77         72          71
## 951          3          2          70         68         72          76
## 952          3          3          79         69         66          73
## 953          5          3          73         74         25          27
## 954          3          2          70         69         70          69
## 955          3          2          73         67         72          79
## 956          2          2          75         72         71          78
## 957          2          1          19         19         14          13
## 958          3          2          72         71         63          74
## 959          4          3          78         80         36          30
## 960          4          3          75         74         39          32
## 961          2          4          83         86         29          31
## 962          4          4          77         78         33          18
## 963          3          3          76         68         70          72
## 964          3          3          81         78         60          66
## 965          4          3          75         74         50          45
## 966          3          3          81         79         58          62
## 967          2          2          78         75         66          70
## 968          3          4          79         79         46          53
## 969          2          3          73         72         76          77
## 970          3          3          80         83         37          37
## 971          3          4          80         81         36          39
## 972          4          2          77         71         67          68
## 973          2          4          83         84         18          22
## 974          3          2          72         65         80          82
## 975          3          4          81         83         25          27
## 976          3          4          73         77         33          45
## 977          3          3          73         75         28          31
## 978          3          2          80         72         57          67
## 979          2          1          14         13         13          13
## 980          2          4          81         85         52          45
## 981          3          3          77         76         72          77
## 982          3          3          75         72         73          74
## 983          4          3          82         80         52          59
## 984          4          2          77         73         42          41
## 985          3          3          74         73         70          77
## 986          3          2          68         61         77          77
## 987          4          3          76         74         68          75
## 988          4          4          82         77         64          72
## 989          4          2          78         72         42          55
## 990          4          4          82         84         67          74
## 991          3          2          59         46         78          77
## 992          3          4          77         84         41          45
```

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## 993          4          4          80         77         72          73
## 994          3          2          74         66         20          17
## 995          2          2          65         56         78          71
## 996          3          3          79         72         17          19
## 997          3          3          80         80         49          61
## 998          4          2          73         59         76          81
## 999          2          2          60         41         76          78
## 1000         3          2          75         75         72          76
## 1001         3          2          61         55         74          73
## 1002         4          2          80         74         53          57
## 1003         3          2          48         49         80          80
## 1004         3          2          61         57         70          76
## 1005         3          1          13         14         19          18
## 1006         5          2          74         76         18          24
## 1007         2          2          76         74         74          75
## 1008         4          3          80         77         60          69
## 1009         4          2          69         65         75          84
## 1010         4          4          77         81         54          55
## 1011         3          2          64         48         76          82
## 1012         3          2          77         76         72          78
## 1013         3          2          53         49         76          78
## 1014         3          2          77         72         69          64
## 1015         4          3          79         78         38          24
## 1016         3          4          76         78         20          24
## 1017         3          3          79         75         63          63
## 1018         3          2          75         63         72          74
## 1019         3          1          19         16         16          12
## 1020         2          3          80         82         35          43
## 1021         3          2          73         64         75          84
## 1022         2          2          74         68         75          73
## 1023         3          3          77         79         25          39
## 1024         2          1          13         22         12          13
## 1025         4          3          76         74         24          22
## 1026         2          3          77         76         26          25
## 1027         3          3          76         65         33          27
## 1028         3          3          81         75         70          74
## 1029         4          3          78         73         55          68
## 1030         3          3          78         78         22          23
## 1031         3          2          69         63         75          76
## 1032         4          3          79         75         40          61
## 1033         2          2          75         56         76          75
## 1034         2          2          75         70         72          79
## 1035         3          3          76         59         64          70
## 1036         3          4          81         83         18          26
## 1037         4          4          86         86         18          22
## 1038         3          5          77         78         12          19
## 1039         3          3          78         70         75          75
## 1040         4          3          81         79         24          18
## 1041         3          2          55         51         75          73
## 1042         3          2          55         49         77          74
## 1043         3          4          81         80         26          29
## 1044         4          2          76         67         72          75
## 1045         3          2          65         50         78          80
## 1046         3          3          78         75         49          53
```

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## 1047          3          2          61         42         73          83
## 1048          4          4          84         83         24          20
## 1049          3          3          77         78         33          27
## 1050          3          3          77         68         71          85
## 1051          4          3          78         82         32          27
## 1052          4          2          69         69         76          80
## 1053          4          3          76         76         34          34
## 1054          2          3          76         79         46          54
## 1055          2          2          62         42         77          82
## 1056          3          2          63         45         76          76
## 1057          3          2          66         47         75          78
## 1058          3          3          76         72         12          20
## 1059          2          2          68         55         75          73
## 1060          3          3          73         74         74          77
## 1061          3          2          65         47         77          75
## 1062          2          1          22         15         14          17
## 1063          3          3          78         75         77          77
## 1064          3          2          76         65         76          80
## 1065          3          3          79         79         60          68
## 1066          3          2          77         75         79          81
## 1067          3          3          76         74         77          78
## 1068          3          2          76         71         74          75
## 1069          4          3          83         80         55          61
## 1070          3          2          66         54         78          74
## 1071          3          3          77         75         18          32
## 1072          3          2          72         62         63          64
## 1073          4          2          77         69         39          37
## 1074          4          4          73         76         34          38
## 1075          3          3          80         79         47          49
## 1076          3          3          79         65         79          78
## 1077          2          2          63         58         78          78
## 1078          4          2          73         71         75          74
## 1079          2          2          74         73         74          79
## 1080          3          3          76         77         65          66
## 1081          3          2          75         74         55          59
## 1082          3          4          79         78         45          32
## 1083          4          3          77         76         19          21
## 1084          3          2          79         73         62          66
## 1085          3          3          77         83         29          36
## 1086          3          2          62         50         78          80
## 1087          3          4          77         80         26          24
## 1088          3          3          76         74         74          75
## 1089          4          3          78         78         61          61
## 1090          3          3          80         71         68          74
## 1091          3          3          67         77         24          21
## 1092          3          3          82         73         16          19
## 1093          3          3          75         76         74          78
## 1094          4          3          76         73         22          24
## 1095          4          3          77         69         12          16
## 1096          4          2          74         69         72          76
## 1097          3          2          73         68         70          75
## 1098          3          2          70         67         77          77
## 1099          3          2          75         67         72          66
## 1100          3          1          22         13         13          14
```

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## 1101          4          3          75         78         66          69
## 1102          4          3          71         72         75          76
## 1103          3          2          54         50         80          78
## 1104          3          3          75         79         25          19
## 1105          3          2          54         40         75          77
## 1106          3          2          69         59         75          80
## 1107          3          3          77         77         38          37
## 1108          3          4          79         84         23          36
## 1109          3          3          74         64         79          83
## 1110          3          3          62         62         73          72
## 1111          4          3          78         79         60          62
## 1112          4          3          81         78         29          35
## 1113          3          4          78         82         38          35
## 1114          3          3          79         77         66          80
## 1115          3          2          75         70         68          70
## 1116          2          3          75         73         77          80
## 1117          3          1          18         14         17          10
## 1118          3          3          69         65         76          77
## 1119          3          2          68         62         77          76
## 1120          3          2          74         67         74          77
## 1121          2          2          65         62         76          71
## 1122          3          2          74         66         75          73
## 1123          3          2          79         65         59          65
## 1124          3          2          75         75         15          20
## 1125          3          3          78         76         15          20
## 1126          2          2          54         30         77          73
## 1127          4          4          82         80         48          48
## 1128          3          2          74         68         16          24
## 1129          4          3          77         74         63          69
## 1130          3          3          77         72         42          47
## 1131          3          2          80         65         62          65
## 1132          3          1          20         16         11          19
## 1133          3          4          78         80         33          48
## 1134          4          4          80         82         59          55
## 1135          3          2          55         49         80          78
## 1136          3          1          16         14         13          12
## 1137          4          3          78         77         68          76
## 1138          3          4          81         86         22          30
## 1139          3          2          61         39         82          70
## 1140          2          3          78         82         65          73
## 1141          2          3          72         81         71          82
## 1142          4          3          75         79         16          21
## 1143          3          2          73         64         72          80
## 1144          4          2          76         72         76          76
## 1145          2          3          77         73         36          24
## 1146          1          1          23         12         14          12
## 1147          4          2          64         57         78          75
## 1148          3          3          80         75         37          23
## 1149          4          3          78         82         18          20
## 1150          3          3          76         76         39          39
## 1151          4          2          77         71         73          75
## 1152          5          1          32         29         12          15
## 1153          4          2          74         65         74          77
## 1154          4          3          81         79         16          20
```

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## 1155          3          3          85         74         34          27
## 1156          3          1          21         13          9          13
## 1157          3          2          65         43         77          77
## 1158          3          2          61         52         74          76
## 1159          3          2          70         61         79          75
## 1160          4          3          73         66         74          71
## 1161          3          3          76         71         71          77
## 1162          3          2          64         60         73          72
## 1163          3          2          76         69         22          33
## 1164          4          2          74         69         69          78
## 1165          3          3          77         71         43          33
## 1166          4          4          86         85         16          20
## 1167          4          2          77         72         70          77
## 1168          3          3          76         66         74          73
## 1169          4          1          21         10         13          14
## 1170          3          1          24         21         12          14
## 1171          3          3          79         79         28          41
## 1172          2          3          79         80         68          80
## 1173          4          4          87         86         22          30
## 1174          3          3          77         76         66          67
## 1175          3          2          74         58         72          74
## 1176          3          2          71         72         77          80
## 1177          2          1          18         15         15          15
## 1178          3          2          47         50         81          76
## 1179          3          2          65         53         74          76
## 1180          3          2          69         49         78          75
## 1181          2          1          28         25         16          17
## 1182          4          4          81         74         13          15
## 1183          4          1          20         13         16          16
## 1184          3          3          81         76         70          69
## 1185          2          3          75         69         74          76
## 1186          3          2          52         40         79          78
## 1187          4          2          80         67         69          73
## 1188          4          3          76         78         77          80
## 1189          3          2          70         67         26          41
## 1190          3          2          62         56         77          76
## 1191          3          3          73         72         43          41
## 1192          3          2          58         17         80          78
## 1193          3          1          15         11         13          12
## 1194          4          3          82         74         29          34
## 1195          3          2          67         65         73          71
## 1196          3          3          74         72         23          19
## 1197          4          3          79         79         51          55
## 1198          2          1          32         11         11          17
## 1199          3          2          51         41         81          78
## 1200          2          1          21         12         12          11
## 1201          2          1          22         12         14          13
## 1202          3          3          74         71         73          80
## 1203          1          1          19         12         11          18
## 1204          3          2          77         75         64          65
## 1205          3          3          78         80         40          48
## 1206          3          2          60         39         76          79
## 1207          3          2          80         76         60          72
## 1208          4          4          72         73         40          33
```

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## 1209          2          2          70         50         74          68
## 1210          2          2          64         48         76          72
## 1211          4          3          72         73         76          73
## 1212          3          1          23         25         32          31
## 1213          2          1          21          8          7           8
## 1214          3          1          20         18         10          74
## 1215          4          2          71         77         76          77
## 1216          4          2          77         75         71          66
## 1217          3          2          55         45         76          77
## 1218          3          2          64         60         76          74
## 1219          3          2          52         44         75          76
## 1220          4          4          78         80         12          18
## 1221          4          4          87         86         16          24
## 1222          4          2          72         68         73          70
## 1223          3          3          76         78         39          46
## 1224          3          2          59         58         32          28
## 1225          4          4          79         83         26          29
## 1226          3          1          23         26         16          14
## 1227          3          2          71         48         78          79
## 1228          3          3          76         74         15          12
## 1229          3          2          63         38         78          74
## 1230          4          4          79         83         26          39
## 1231          3          3          76         77         25          30
## 1232          2          2          77         76         73          80
## 1233          3          3          76         74         73          71
## 1234          4          2          65         51         72          75
## 1235          4          2          64         54         76          75
## 1236          4          4          82         78         24          22
## 1237          3          2          74         68         75          68
## 1238          2          2          77         74         67          57
## 1239          3          2          65         46         74          81
## 1240          2          3          77         80         28          28
## 1241          3          4          78         80         23          25
## 1242          3          3          72         75         37          42
## 1243          3          2          69         63         70          78
## 1244          4          2          66         54         75          66
## 1245          4          2          71         67         64          71
## 1246          3          3          80         72         58          68
## 1247          2          3          74         71         29          32
## 1248          2          2          56         52         78          75
## 1249          4          3          77         85         29          42
## 1250          3          2          75         77         71          75
## 1251          3          4          74         79         27          33
## 1252          3          3          77         79         23          25
## 1253          3          3          78         80         39          36
## 1254          2          3          80         80         12          12
## 1255          3          2          68         64         77          85
## 1256          4          4          76         74         66          79
## 1257          4          2          65         53         79          76
## 1258          2          1          23         19         18          24
## 1259          4          2          72         74         77          76
## 1260          3          3          74         66         21          36
## 1261          2          2          58         53         76          75
## 1262          5          4          74         75         46          55
```

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## 1263          3          4          77         75         29          36
## 1264          4          4          76         80         20          18
## 1265          3          4          76         70         28          36
## 1266          2          2          59         36         73          76
## 1267          3          2          79         73         68          70
## 1268          2          2          69         51         74          71
## 1269          3          3          73         78         66          75
## 1270          2          2          70         65         74          71
## 1271          4          3          80         80         24          25
## 1272          3          3          78         76         53          57
## 1273          2          2          54         52         76          74
## 1274          4          3          80         82         44          42
## 1275          3          2          71         65         77          76
## 1276          3          3          75         68         27          19
## 1277          3          3          80         78         24          19
## 1278          3          2          59         48         76          81
## 1279          3          4          78         81         30          27
## 1280          3          3          77         78         48          49
## 1281          4          2          73         66         71          75
## 1282          4          2          77         71         65          59
## 1283          2          1          20         20         15          15
## 1284          3          3          78         75         65          73
## 1285          3          4          78         82         21          26
## 1286          3          2          76         70         68          68
## 1287          3          4          82         84         30          36
## 1288          3          4          82         81         23          30
## 1289          3          2          74         69         43          23
## 1290          3          3          74         76         34          37
## 1291          3          2          76         74         19          18
## 1292          3          2          73         71         73          75
## 1293          3          2          69         68         74          76
## 1294          2          2          64         39         79          74
## 1295          3          2          65         53         75          74
## 1296          3          2          66         39         77          80
## 1297          3          2          78         76         67          69
## 1298          4          3          78         76         46          49
## 1299          3          3          76         78         32          26
## 1300          3          2          73         70         21          25
## 1301          4          2          69         65         72          75
## 1302          3          2          73         65         65          76
## 1303          3          3          74         72         48          54
## 1304          4          2          76         64         58          76
## 1305          4          3          80         74         70          71
## 1306          3          2          70         45         73          71
## 1307          3          2          68         55         75          67
## 1308          3          3          77         71         68          73
## 1309          3          2          74         65         71          75
## 1310          4          4          81         84         20          22
## 1311          4          2          75         68         79          64
## 1312          3          2          78         75         69          71
## 1313          2          1          22         12         14          15
## 1314          3          4          83         79         30          23
## 1315          4          3          75         81         22          32
## 1316          3          2          76         73         16          28
```

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## 1317          4          4          77         79         41          29
## 1318          3          3          75         77         72          78
## 1319          3          2          79         72         62          62
## 1320          5          2          75         69         72          78
## 1321          4          3          83         86         25          18
## 1322          4          3          75         80         29          28
## 1323          4          2          68         63         74          77
## 1324          3          4          79         79         40          44
## 1325          3          3          78         71         55          62
## 1326          3          2          81         77         62          76
## 1327          4          2          75         72         69          70
## 1328          4          4          80         77         51          54
## 1329          3          1          21         14         14          12
## 1330          4          3          76         75         23          19
## 1331          3          3          77         70         25          14
## 1332          2          3          78         74         65          55
## 1333          2          4          81         81         45          54
## 1334          3          2          67         60         79          76
## 1335          3          2          76         76         81          77
## 1336          4          3          77         76         20          23
## 1337          3          2          70         74         75          76
## 1338          4          4          80         82         29          27
## 1339          3          1          21         11         14          10
## 1340          5          5          80         83         21          22
## 1341          3          2          70         54         75          71
## 1342          3          4          77         82         15          28
## 1343          3          3          80         72         55          53
## 1344          4          5          77         81         39          44
## 1345          4          2          58         42         81          76
## 1346          4          4          79         84         42          38
## 1347          4          3          82         81         68          73
## 1348          4          3          79         81         58          52
## 1349          3          1          25         16         18          23
## 1350          3          2          72         71         74          78
## 1351          3          2          64         60         76          74
## 1352          2          2          74         76         77          79
## 1353          3          2          62         55         77          76
## 1354          4          3          75         75         62          71
## 1355          3          2          58         35         76          76
## 1356          4          2          72         67         15          19
## 1357          2          3          77         77         69          71
## 1358          4          3          77         74         13          18
## 1359          3          3          75         75         70          71
## 1360          3          2          78         71         74          81
## 1361          3          3          79         78         63          69
## 1362          3          3          80         80         35          30
## 1363          3          3          76         80         23          32
## 1364          5          3          78         73         25          32
## 1365          3          2          78         72         70          74
## 1366          3          2          73         64         64          67
## 1367          2          3          78         79         41          59
## 1368          3          2          64         54         74          76
## 1369          3          3          78         78         35          41
## 1370          1          1          23         14         14          12
```

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## 1371          4          3          80         81         45          55
## 1372          3          2          60         57         75          75
## 1373          3          2          61         41         78          73
## 1374          4          3          76         73         26          21
## 1375          4          3          82         73         73          64
## 1376          3          2          61         25         77          80
## 1377          4          2          56         46         80          68
## 1378          4          3          77         78         27          40
## 1379          3          3          80         73         61          68
## 1380          4          2          77         78         15          18
## 1381          4          2          48         33         76          75
## 1382          3          2          75         71         73          71
## 1383          4          3          77         73         63          68
## 1384          3          4          78         80         23          25
## 1385          2          1          22         14          9          14
## 1386          4          3          76         72         20          24
## 1387          3          3          77         80         60          57
## 1388          3          3          75         73         20          25
## 1389          5          4          82         80         19          27
## 1390          4          3          76         82         30          23
## 1391          4          3          79         73         11          12
## 1392          3          3          76         73         26          29
## 1393          2          1          25         15         15          14
## 1394          4          2          72         75         28          34
## 1395          2          3          78         74         60          51
## 1396          4          3          75         73         61          66
## 1397          2          2          53         44         76          71
## 1398          3          2          57         35         76          74
## 1399          2          2          68         62         76          80
## 1400          3          2          65         59         79          75
## 1401          3          3          69         70         20          17
## 1402          3          2          72         70         75          76
## 1403          3          3          66         57         78          75
## 1404          1          1          12         13         12          10
## 1405          5          3          68         70         17          12
## 1406          3          3          75         72         24          22
## 1407          2          2          72         74         73          79
## 1408          4          3          76         75         75          70
## 1409          3          1          12         19         15          12
## 1410          3          3          74         75         32          37
## 1411          3          2          73         63         74          77
## 1412          2          2          68         62         75          75
## 1413          4          2          76         73         77          74
## 1414          4          3          75         81         29          34
## 1415          3          4          76         76         19          22
## 1416          4          4          74         80         22          36
## 1417          3          2          72         68         74          76
## 1418          3          3          80         79         43          44
## 1419          3          4          79         75         60          50
## 1420          3          2          76         73         79          81
## 1421          3          3          74         67         72          76
## 1422          4          3          76         72         58          63
## 1423          2          2          61         56         73          72
## 1424          3          3          76         73         72          71
```

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## 1425          2          2          60         38         78          82
## 1426          3          3          73         70         25          26
## 1427          3          2          61         22         82          70
## 1428          3          3          78         72         64          62
## 1429          3          2          69         63         83          81
## 1430          4          3          76         70         72          71
## 1431          3          2          64         59         74          81
## 1432          2          1          22         18         10          12
## 1433          3          2          75         76         76          78
## 1434          3          3          74         74         74          76
## 1435          4          2          75         71         67          67
## 1436          2          1          17         17         13          12
## 1437          4          4          77         73         29          37
## 1438          4          4          77         81         30          30
## 1439          3          3          76         84         34          50
## 1440          3          4          72         77         17          19
## 1441          3          2          58         47         77          77
## 1442          3          2          71         73         63          78
## 1443          3          2          72         68         77          76
## 1444          4          4          76         77         20          22
## 1445          3          3          78         76         22          24
## 1446          4          2          77         73         75          60
## 1447          2          3          73         68         21          15
## 1448          4          4          78         80         26          24
## 1449          4          3          77         80         39          41
## 1450          3          2          73         71         77          73
## 1451          4          2          78         73         47          55
## 1452          3          3          78         76         22          23
## 1453          4          3          75         76         56          53
## 1454          3          3          75         77         13          24
## 1455          3          4          81         80         23          25
## 1456          2          2          62         60         78          74
## 1457          3          3          79         77         56          60
## 1458          5          2          63         49         80          72
## 1459          4          3          81         77         76          74
## 1460          3          3          75         72         22          18
## 1461          4          2          74         54         77          77
## 1462          3          3          78         80         20          30
## 1463          3          2          69         66         30          32
## 1464          2          2          62         46         71          69
## 1465          3          3          76         75         73          75
## 1466          4          3          78         77         22          34
## 1467          3          2          70         53         73          74
## 1468          3          4          76         78         33          32
## 1469          2          3          82         80         28          28
## 1470          3          1          17         15         17          12
## 1471          4          2          73         61         11          19
## 1472          5          2          71         64         30          21
## 1473          3          3          75         75         17          12
## 1474          3          2          75         70         67          69
## 1475          3          4          80         78         37          28
## 1476          3          3          76         77         41          45
## 1477          2          2          63         53         75          80
## 1478          3          2          63         36         78          76
```

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## 1479          3          2          43         28         79          77
## 1480          4          4          78         80         51          47
## 1481          4          3          71         70         22          23
## 1482          3          3          80         76         54          64
## 1483          3          2          61         54         77          79
## 1484          3          2          77         77         70          79
## 1485          4          3          72         68         20          23
## 1486          3          3          71         68         12          18
## 1487          4          1          21         13         13          20
## 1488          4          2          68         42         75          76
## 1489          2          3          74         73         76          77
## 1490          3          4          82         81         42          36
## 1491          3          3          80         80         29          26
## 1492          4          4          81         82         26          22
## 1493          3          3          81         76         59          68
## 1494          2          2          73         64         77          81
## 1495          3          3          76         63         61          74
## 1496          2          2          69         44         80          75
## 1497          4          3          78         72         51          53
## 1498          2          2          72         65         70          74
## 1499          3          3          77         79         23          27
## 1500          4          3          70         74         39          42
## 1501          4          3          79         82         43          32
## 1502          3          2          69         64         75          72
## 1503          3          2          74         62         75          78
## 1504          3          2          70         62         76          78
## 1505          4          3          74         76         30          36
## 1506          3          3          74         74         79          75
## 1507          3          3          77         74         60          63
## 1508          3          3          73         72         24          22
## 1509          4          3          71         72         26          27
## 1510          4          3          73         68         33          40
## 1511          4          3          75         73         59          59
## 1512          4          2          78         73         63          68
## 1513          3          2          76         69         63          62
## 1514          3          3          80         82         23          37
## 1515          3          3          84         82         21          16
## 1516          3          3          76         75         17          15
## 1517          2          2          58         50         77          80
## 1518          3          3          75         75         69          80
## 1519          4          2          79         71         58          60
## 1520          4          1          22         20         20          19
## 1521          2          1          19         15         12          15
## 1522          4          2          54         44         80          79
## 1523          3          2          71         68         73          75
## 1524          3          2          58         45         77          72
## 1525          3          2          73         62         71          77
## 1526          3          2          73         71         71          77
## 1527          4          4          77         82         43          28
## 1528          2          4          77         79         19          28
## 1529          2          2          58         54         79          77
## 1530          4          3          77         72         29          30
## 1531          3          3          75         75         28          33
## 1532          3          3          75         66         78          76
```

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## 1533          3          1          22         12         15          20
## 1534          4          4          76         78         26          28
## 1535          2          1          22         18         11          13
## 1536          3          3          77         79         31          28
## 1537          3          2          78         78         68          64
## 1538          4          4          79         81         16          26
## 1539          4          3          80         80         12          22
## 1540          3          1          32         11         13          20
## 1541          4          3          79         74         46          55
## 1542          3          4          80         80         63          66
## 1543          4          1          25         24         14          20
## 1544          2          2          63         57         75          74
## 1545          3          3          77         78         55          64
## 1546          2          2          61         46         73          73
## 1547          3          2          82         64         63          55
## 1548          3          2          74         63         79          78
## 1549          4          3          74         65         70          66
## 1550          3          3          77         64         69          67
## 1551          3          2          67         43         80          75
## 1552          4          2          75         74         73          73
## 1553          4          3          75         72         22          39
## 1554          3          2          69         68         74          70
## 1555          3          3          78         77         28          35
## 1556          4          3          77         71         66          73
## 1557          2          3          71         70         45          35
## 1558          3          1          23         13         12          12
## 1559          3          3          76         72         58          57
## 1560          3          1          14         14         18          11
## 1561          3          3          75         73         78          77
## 1562          3          1          25         13         10          12
## 1563          3          4          79         75         40          46
## 1564          2          3          75         76         58          50
## 1565          2          1          22         15         14          13
## 1566          2          4          80         75         44          45
## 1567          2          1          24         14         11          17
## 1568          4          4          80         82         35          40
## 1569          5          3          82         80         41          53
## 1570          3          1          18         14         11          15
## 1571          2          2          60         46         76          74
## 1572          3          2          58         54         81          74
## 1573          3          2          74         65         79          77
## 1574          4          3          80         77         34          47
## 1575          3          2          75         65         79          78
## 1576          2          2          72         61         28          22
## 1577          2          1          20         21         11          11
## 1578          3          2          56         54         80          74
## 1579          3          2          74         64         16          20
## 1580          4          3          84         80         46          58
## 1581          3          3          74         68         64          69
## 1582          3          2          63         48         76          73
## 1583          2          3          75         72         76          74
## 1584          2          2          58         60         72          71
## 1585          2          2          75         69         18          20
## 1586          3          2          62         53         73          77
```

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## 1587          3          4          80         77         44          58
## 1588          3          2          66         27         77          69
## 1589          3          1          18         14         13          20
## 1590          4          2          82         77         53          58
## 1591          2          4          77         83         30          46
## 1592          3          2          73         65         68          72
## 1593          4          4          78         79         60          32
## 1594          3          1          23         11         11          11
## 1595          3          2          64         49         78          74
## 1596          3          2          64         47         74          70
## 1597          3          2          59         38         74          77
## 1598          4          1          38         20         12          13
## 1599          3          2          55         50         81          74
## 1600          4          1          31         12         18          14
## 1601          3          2          60         45         77          76
## 1602          3          3          75         71         68          56
## 1603          3          4          78         80         24          15
## 1604          3          2          62         36         73          72
## 1605          3          3          69         52         72          78
## 1606          3          2          51         46         74          70
## 1607          3          3          81         82         20          31
## 1608          4          2          76         74         68          70
## 1609          3          2          62         58         74          73
## 1610          3          4          75         72         38          46
## 1611          4          3          76         71         25          19
## 1612          3          4          73         75         31          44
## 1613          4          4          77         77         31          32
## 1614          2          3          72         75         25          22
## 1615          3          2          72         59         73          74
## 1616          3          2          54         49         75          71
## 1617          3          2          70         68         77          70
## 1618          3          2          77         71         71          73
## 1619          3          2          73         76         65          77
## 1620          2          1          21          9         10          10
## 1621          3          4          76         75         31          32
## 1622          5          4          73         75         31          23
## 1623          4          2          73         75         72          76
## 1624          3          2          73         71         67          75
## 1625          3          2          56         44         77          76
## 1626          3          2          59         61         72          72
## 1627          3          2          63         51         76          75
## 1628          3          2          71         77         77          77
## 1629          3          3          67         66         71          77
## 1630          2          1          25         12         10          13
## 1631          2          4          82         79         39          36
## 1632          3          3          78         80         21          54
## 1633          4          3          76         80         32          30
## 1634          4          3          77         75         59          55
## 1635          4          3          78         74         20          19
## 1636          4          3          77         75         75          69
## 1637          4          4          77         82         28          33
## 1638          3          2          72         71         70          72
## 1639          3          3          78         76         57          64
## 1640          3          3          78         80         65          58
```

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## 1641          2          2          62         53         77          79
## 1642          2          2          73         69         76          69
## 1643          3          2          75         61         70          73
## 1644          3          2          80         76         54          65
## 1645          4          3          75         77         66          65
## 1646          3          3          75         73         69          68
## 1647          3          3          74         78         25          26
## 1648          3          3          78         74         60          67
## 1649          3          2          73         70         76          73
## 1650          3          2          74         71         73          78
## 1651          4          3          76         74         68          64
## 1652          3          3          76         77         65          69
## 1653          3          2          73         69         65          59
## 1654          3          2          72         72         75          74
## 1655          3          4          75         75         41          35
## 1656          2          2          78         76         60          68
## 1657          3          2          57         46         75          70
## 1658          4          3          71         79         32          31
## 1659          3          3          73         72         15          16
## 1660          2          1          25         17         13          17
## 1661          3          3          74         77         29          22
## 1662          4          3          75         72         32          31
## 1663          3          1          32         13         11          31
## 1664          4          2          75         41         76          72
## 1665          2          2          67         66         68          76
## 1666          3          3          74         71         22          25
## 1667          2          4          80         81         26          22
## 1668          4          4          75         82         17          15
## 1669          3          2          72         73         59          74
## 1670          2          3          74         75         32          34
## 1671          3          3          73         74         72          75
## 1672          4          2          74         73         71          67
## 1673          4          4          75         77         18          18
## 1674          3          2          74         75         71          73
## 1675          3          4          78         81         26          27
## 1676          3          3          72         65         72          67
## 1677          3          2          64         56         78          74
## 1678          4          2          75         67         76          71
## 1679          3          3          78         79         59          63
## 1680          2          2          74         69         71          69
## 1681          3          2          68         60         78          76
## 1682          4          3          79         78         22          26
## 1683          4          2          71         68         14          13
## 1684          4          3          76         78         19          17
## 1685          4          3          76         76         54          55
## 1686          2          2          59         47         80          74
## 1687          3          2          62         32         79          64
## 1688          3          3          74         73         37          39
## 1689          3          4          75         79         44          35
## 1690          2          2          55         37         77          72
## 1691          4          2          72         70         70          75
## 1692          3          2          62         58         74          72
## 1693          4          3          73         76         16          23
## 1694          3          2          60         49         77          74
```

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## 1695          4          4          73         75         29          57
## 1696          4          2          75         71         60          80
## 1697          4          3          77         75         65          64
## 1698          3          3          76         69         14          23
## 1699          3          2          74         65         15          38
## 1700          3          4          77         79         14          23
## 1701          4          2          75         72         71          68
## 1702          2          3          74         71         72          74
## 1703          2          2          76         78         73          73
## 1704          4          3          76         81         45          48
## 1705          3          3          81         76         54          64
## 1706          3          2          68         61         77          69
## 1707          3          1          19         16         13          15
## 1708          3          2          76         74         63          67
## 1709          3          3          77         72         66          68
## 1710          3          5          85         85         22          29
## 1711          3          1          10         17         22          11
## 1712          4          3          80         76         54          44
## 1713          3          2          77         75         74          80
## 1714          3          3          75         77         26          35
## 1715          3          3          74         77         69          69
## 1716          3          3          73         77         50          44
## 1717          3          2          78         76         70          68
## 1718          3          2          66         62         77          70
## 1719          3          2          73         60         72          69
## 1720          3          3          73         80         34          33
## 1721          3          3          74         78         17          17
## 1722          3          2          69         63         73          74
## 1723          2          1          19         13         13          19
## 1724          3          2          66         53         76          76
## 1725          3          2          73         73         20          24
## 1726          4          3          78         77         49          38
## 1727          4          5          79         83         18          23
## 1728          3          2          55         32         75          64
## 1729          3          2          54         45         75          70
## 1730          3          2          63         44         78          76
## 1731          4          4          78         81         23          36
## 1732          3          3          78         77         67          67
## 1733          3          2          70         68         78          77
## 1734          3          2          53         42         75          74
## 1735          2          3          72         63         75          68
## 1736          3          2          69         71         80          77
## 1737          3          1          24         18         11          12
## 1738          3          2          73         68         75          77
## 1739          2          1          29         14         20          14
## 1740          5          3          74         71         18          16
## 1741          4          3          71         69         12          13
## 1742          3          3          76         79         29          35
## 1743          5          4          80         78         38          30
## 1744          3          2          73         71         68          68
## 1745          3          2          67         52         78          76
## 1746          3          2          69         66         76          76
## 1747          2          2          53         35         76          68
## 1748          3          3          75         76         60          66
```

```
## 1749          3          3          76         78         25          38
## 1750          2          1          23         11         14          11
## 1751          4          2          73         71         30          31
## 1752          3          3          78         75         50          74
## 1753          3          3          76         78         68          69
## 1754          4          3          80         78         30          20
## 1755          4          3          79         77         47          40
## 1756          2          3          74         76         57          64
## 1757          3          4          74         77         21          19
## 1758          3          2          72         66         73          72
## 1759          3          3          76         72         65          73
## 1760          4          4          75         73         20          20
## 1761          3          3          81         82         18          18
## 1762          4          3          78         76         62          64
## 1763          3          2          74         73         69          73
## 1764          3          3          81         77         14          16
## 1765          3          2          71         64         71          76
## 1766          3          3          70         75         15          13
## 1767          4          2          73         71         63          66
## 1768          3          3          75         69         68          72
## 1769          2          2          56         46         76          75
## 1770          3          3          76         75         15          20
## 1771          3          3          80         80         20          26
## 1772          4          4          79         81         35          43
## 1773          2          2          66         61         74          78
## 1774          3          3          81         81         50          47
## 1775          4          3          75         73         23          30
## 1776          4          3          75         71         69          65
## 1777          2          2          57         60         76          78
## 1778          3          2          72         63         74          73
## 1779          2          1          24         17         14          18
## 1780          3          2          62         58         71          73
## 1781          3          2          69         59         75          71
## 1782          4          2          64         43         74          74
## 1783          3          2          74         69         65          68
## 1784          3          1          33         19         20          14
## 1785          3          2          72         69         70          74
## 1786          3          2          71         55         73          68
## 1787          3          3          76         66         13          12
## 1788          3          2          75         68         67          80
## 1789          3          3          67         71         18          16
## 1790          3          2          70         70         76          76
## 1791          3          2          53         36         78          72
## 1792          3          3          76         74         64          76
## 1793          3          4          77         79         18          30
## 1794          3          2          67         61         72          71
## 1795          3          2          72         69         72          69
## 1796          3          2          72         68         29          30
## 1797          4          4          76         79         27          26
## 1798          3          4          79         78         42          44
## 1799          3          2          66         63         73          78
## 1800          3          3          74         78         25          25
## 1801          2          2          68         48         74          73
## 1802          3          2          68         68         73          74
```

```
## 1803          3          2          69         62         75          78
## 1804          4          3          76         79         46          32
## 1805          4          3          78         79         66          65
## 1806          2          1          20         11         10          12
## 1807          4          2          69         63         74          73
## 1808          2          3          78         77         15          15
## 1809          5          2          70         69         73          77
## 1810          3          3          75         73         20          24
## 1811          4          4          81         81         24          43
## 1812          3          2          75         74         31          38
## 1813          2          2          66         56         74          76
## 1814          4          4          75         78         47          32
## 1815          2          2          64         60         75          78
## 1816          3          2          73         68         75          73
## 1817          4          4          80         81         14          20
## 1818          3          3          75         74         71          75
## 1819          3          2          68         54         74          73
## 1820          4          4          75         72         45          46
## 1821          3          3          80         78         30          34
## 1822          3          3          77         74         68          70
## 1823          3          3          75         76         68          72
## 1824          4          3          73         77         28          27
## 1825          2          2          72         71         29          19
## 1826          3          1          33         19         10          14
## 1827          3          3          76         73         73          72
## 1828          3          2          68         48         68          71
## 1829          4          4          74         75         61          63
## 1830          4          2          63         57         76          76
## 1831          3          3          74         72         77          76
## 1832          5          3          79         79         28          32
## 1833          2          2          76         75         74          76
## 1834          3          4          77         80         28          21
## 1835          3          3          71         75         68          67
## 1836          3          2          63         50         76          74
## 1837          3          2          72         69         75          74
## 1838          3          3          74         74         72          73
## 1839          4          3          75         78         33          42
## 1840          3          3          74         71         69          69
## 1841          2          2          70         65         22          19
## 1842          3          4          75         79         23          35
## 1843          2          2          76         64         70          72
## 1844          3          2          73         75         68          75
## 1845          2          2          77         64         58          76
## 1846          3          3          73         65         15          23
## 1847          4          4          74         77         36          35
## 1848          3          2          69         70         36          35
## 1849          3          2          67         51         74          67
## 1850          4          3          72         72         70          74
## 1851          3          3          73         68         25          30
## 1852          4          3          76         75         52          46
## 1853          3          1          33         16         19          14
## 1854          3          3          76         75         70          74
## 1855          4          3          74         75         17          22
## 1856          3          2          62         54         72          71
```

```
## 1857          2           2           75        72      70              66
## 1858          4           3           71        73      72              71
## 1859          4           5           78        86      30              25
## 1860          2           3           79        70      63              66
## 1861          3           3           75        74      75              77
## 1862          3           2           42        38      77              68
## 1863          4           3           76        79      18              22
## 1864          3           3           74        74      19              21
## 1865          3           2           74        68      69              74
## 1866          3           3           77        75      33              19
## 1867          2           2           73        73      52              69
## 1868          4           4           77        78      19              20
## 1869          3           2           62        60      70              76
## 1870          4           3           74        76      29              35
## 1871          2           2           73        75      71              75
## 1872          4           4           76        74      14              24
## 1873          4           4           79        77      49              51
## 1874          2           1           21        12      19              11
## 1875          2           2           62        52      76              77
## 1876          2           3           78        74      64              63
## 1877          4           3           70        71      69              70
## 1878          3           3           79        77      13              24
## 1879          3           3           68        64      71              79
## 1880          2           2           72        68      35              32
## 1881          3           3           74        69      79              75
## 1882          3           2           67        64      77              77
## 1883          3           3           76        76      70              73
## 1884          2           3           71        74      67              75
## 1885          3           2           63        60      76              76
## 1886          4           4           72        77      13              19
##       Standing_Tackle Aggression Reactions Attacking_Position
## 1                  31         63        96                 94
## 2                  28         48        95                 93
## 3                  24         56        88                 90
## 4                  45         78        93                 92
## 5                  10         29        85                 12
## 6                  21         38        88                 12
## 7                  42         80        88                 89
## 8                  55         65        87                 86
## 9                  41         84        85                 86
## 10                 18         23        81                 13
## 11                 92         82        84                 47
## 12                 27         54        85                 85
## 13                 80         62        88                 79
## 14                 16         48        87                 84
## 15                 22         50        86                 92
## 16                 91         77        84                 59
## 17                 89         84        82                 52
## 18                 20         57        88                 91
## 19                 75         72        86                 84
## 20                 22         69        90                 91
## 21                 39         68        88                 84
## 22                 36         49        87                 87
## 23                 39         80        87                 86
```

```
## 24                    75          60          85                    76
## 25                    86          86          85                    48
## 26                    92          66          85                    56
## 27                    10          31          84                    10
## 28                    92          90          78                    28
## 29                    87          58          91                    69
## 30                    87          94          84                    40
## 31                    13          17          86                    13
## 32                    11          38          80                    12
## 33                    57          58          88                    85
## 34                    12          34          84                    11
## 35                    42          65          84                    80
## 36                    25          45          87                    89
## 37                    88          82          84                    38
## 38                    89          91          89                    80
## 39                    65          67          79                    80
## 40                    42          51          84                    81
## 41                    10          25          83                    12
## 42                    87          72          84                    58
## 43                    26          47          87                    85
## 44                    20          48          85                    85
## 45                    82          89          87                    71
## 46                    83          69          84                    77
## 47                    53          69          83                    83
## 48                    15          28          81                     7
## 49                    41          57          92                    93
## 50                    85          85          82                    77
## 51                    64          57          84                    83
## 52                    84          75          82                    77
## 53                    44          55          81                    83
## 54                    59          76          80                    82
## 55                    39          93          85                    88
## 56                    45          82          85                    89
## 57                    85          88          87                    88
## 58                    84          84          85                    75
## 59                    78          78          86                    82
## 60                    90          83          82                    43
## 61                    15          65          83                    87
## 62                    63          45          81                    78
## 63                    25          52          86                    81
## 64                    64          64          85                    82
## 65                    90          74          82                    28
## 66                    36          74          85                    86
## 67                    42          70          85                    87
## 68                    14          32          82                    16
## 69                    30          72          77                    85
## 70                    56          44          82                    81
## 71                    64          68          87                    77
## 72                    88          79          84                    56
## 73                    62          44          81                    78
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## 76                    86          87          83                    57
## 77                    36          57          76                    79
```

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## 79                    89          90          81                    50
## 80                    71          56          86                    84
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## 85                    88          81          83                    41
## 86                    88          72          82                    54
## 87                    39          61          83                    82
## 88                    85          81          81                    61
## 89                    27          40          75                    80
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## 91                    21          35          83                    89
## 92                    24          34          80                    83
## 93                    66          58          78                    83
## 94                    66          71          84                    80
## 95                    86          86          81                    25
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## 100                   82          70          80                    72
## 101                   86          86          76                    24
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## 103                   83          86          84                    78
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## 106                   45          59          80                    84
## 107                   85          84          79                    54
## 108                   86          82          86                    80
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## 130                   58          34          79                    81
## 131                   35          48          81                    79
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## 156                    85          73          81                    35
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## 300                23        79        78                85
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## 307                26        59        79                83
## 308                81        86        75                48
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## 333                76        69        81                75
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## 341                30        65        71                76
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## 347                82        80        76                31
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## 432                    34          58          78                    78
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## 562                40          66          82                  83
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## 738                    74          65          81                    72
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## 746                    77          89          71                    61
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## 748                    79          61          72                    60
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## 752                    36          75          77                    85
## 753                    40          72          72                    75
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## 758                    52          65          74                    75
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## 765                    22          76          74                    83
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## 772                    82          86          70                    42
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## 774                    64          62          72                    76
## 775                    20          43          77                    13
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## 777                    79          84          67                    53
## 778                    80          78          77                    43
## 779                    80          86          78                    69
```

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## 789                    19          33          78                    15
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## 791                    83          80          73                    51
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## 831                    21          53          73                    72
## 832                    46          85          77                    76
## 833                    49          63          76                    72
```

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## 887                    14          39          75                    19
```

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## 897                    81          87          72                    29
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## 899                    48          60          80                    86
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## 1045                   77          82          70                    30
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## 1047                   78          92          63                    38
## 1048                   30          50          71                    68
## 1049                   24          60          74                    79
```

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## 1072                80          87          75                  58
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## 1082                45          60          79                  76
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## 1094                27          52          81                  77
## 1095                16          83          74                  84
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## 1098                81          77          71                  62
## 1099                76          79          73                  61
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## 1103                80          76          74                  32
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## 1112                42          67          79                  74
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## 1116                77          82          71                  71
## 1117                19          29          74                  12
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## 1127                51          58          70                  69
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## 1129                72          75          72                  68
## 1130                44          81          78                  82
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## 1134                65          70          71                  70
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## 1138                32          66          72                  72
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## 1140                73          88          78                  79
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## 1142                28          41          77                  80
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## 1144                76          72          74                  67
## 1145                27          79          77                  77
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## 1147                80          75          70                  39
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## 1149                23          72          74                  71
## 1150                47          67          70                  77
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## 1152                16          38          76                  16
## 1153                78          88          79                  68
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## 1156                12          34          71                  12
## 1157                79          68          75                  42
```

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## 1159                 78          82          72                  53
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## 1162                 77          74          76                  44
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## 1166                 20          48          77                  78
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## 1169                 13          38          71                  14
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## 1172                 76          81          71                  77
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## 1175                 77          82          72                  53
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## 1210                 77          82          64                  26
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```

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## 1264          18        61        74          76
## 1265          47        68        77          76
```

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## 1360                 77          84          72                  46
## 1361                 72          63          74                  68
## 1362                 36          42          67                  74
## 1363                 24          46          71                  73
## 1364                 29          34          79                  81
## 1365                 78          70          67                  62
## 1366                 76          80          66                  56
## 1367                 53          80          73                  73
## 1368                 77          87          72                  47
## 1369                 44          62          74                  70
## 1370                 14          26          72                  11
## 1371                 58          63          64                  70
## 1372                 78          85          69                  22
## 1373                 76          74          74                  45
```

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## 1374                33          69          73                  78
## 1375                72          71          78                  68
## 1376                83          85          61                  39
## 1377                77          79          70                  29
## 1378                37          72          77                  78
## 1379                76          79          75                  70
## 1380                16          35          77                  78
## 1381                78          78          75                  38
## 1382                79          72          74                  69
## 1383                75          76          78                  68
## 1384                22          75          76                  72
## 1385                12          35          77                  10
## 1386                26          58          70                  77
## 1387                62          77          72                  73
## 1388                39          73          70                  77
## 1389                30          44          70                  70
## 1390                41          51          73                  76
## 1391                41          62          74                  75
## 1392                22          55          74                  80
## 1393                11          23          67                  16
## 1394                32          64          80                  85
## 1395                62          51          66                  72
## 1396                70          75          67                  73
## 1397                78          79          70                  32
## 1398                77          89          67                  44
## 1399                80          80          70                  56
## 1400                79          72          74                  28
## 1401                13          61          74                  79
## 1402                77          81          75                  65
## 1403                78          80          76                  50
## 1404                11          21          74                  11
## 1405                31          79          77                  82
## 1406                23          67          74                  80
## 1407                74          79          73                  73
## 1408                76          78          75                  64
## 1409                16          37          68                  16
## 1410                45          58          73                  74
## 1411                78          78          70                  61
## 1412                76          79          73                  27
## 1413                74          76          76                  53
## 1414                27          71          71                  72
## 1415                28          28          74                  73
## 1416                40          59          65                  75
## 1417                73          74          70                  55
## 1418                42          67          75                  77
## 1419                62          70          75                  74
## 1420                78          66          76                  54
## 1421                75          88          72                  62
## 1422                64          66          73                  68
## 1423                75          75          71                  43
## 1424                76          75          76                  70
## 1425                80          78          73                  32
## 1426                24          62          72                  77
## 1427                74          81          78                  33
```

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## 1428                67          78          77                  74
## 1429                83          77          81                  52
## 1430                74          76          74                  71
## 1431                76          77          71                  63
## 1432                12          33          68                  13
## 1433                75          68          68                  60
## 1434                77          71          74                  63
## 1435                71          78          75                  70
## 1436                13          35          69                  16
## 1437                40          65          76                  80
## 1438                44          80          71                  65
## 1439                54          79          77                  70
## 1440                20          59          68                  81
## 1441                80          76          66                  24
## 1442                75          80          69                  67
## 1443                79          89          72                  58
## 1444                25          33          74                  75
## 1445                28          45          76                  80
## 1446                76          55          70                  72
## 1447                17          83          77                  80
## 1448                27          39          74                  74
## 1449                50          60          72                  71
## 1450                75          85          69                  59
## 1451                60          64          79                  78
## 1452                30          76          75                  76
## 1453                57          69          73                  74
## 1454                26          70          77                  78
## 1455                41          42          68                  67
## 1456                78          75          65                  57
## 1457                60          71          72                  69
## 1458                73          92          73                  45
## 1459                75          70          72                  73
## 1460                24          76          74                  78
## 1461                79          69          59                  63
## 1462                30          55          74                  72
## 1463                46          63          74                  77
## 1464                78          81          71                  54
## 1465                75          75          78                  74
## 1466                28          68          74                  72
## 1467                75          81          71                  61
## 1468                40          49          75                  72
## 1469                32          60          70                  78
## 1470                13          34          74                  13
## 1471                40          74          76                  79
## 1472                29          60          80                  81
## 1473                18          75          71                  75
## 1474                70          61          70                  76
## 1475                36          56          74                  74
## 1476                47          73          70                  72
## 1477                77          82          72                  50
## 1478                81          74          69                  20
## 1479                78          77          68                  19
## 1480                60          55          73                  74
## 1481                24          71          73                  82
```

```
## 1482                70          83          76                  72
## 1483                78          79          72                  47
## 1484                78          82          74                  66
## 1485                21          70          73                  76
## 1486                31          46          71                  80
## 1487                19          40          74                  13
## 1488                77          82          64                  39
## 1489                77          79          74                  70
## 1490                47          54          68                  72
## 1491                36          32          70                  72
## 1492                23          35          60                  70
## 1493                70          70          78                  72
## 1494                80          85          71                  61
## 1495                80          89          75                  59
## 1496                77          76          71                  60
## 1497                68          73          74                  61
## 1498                76          79          69                  61
## 1499                33          70          73                  74
## 1500                32          72          76                  78
## 1501                33          70          69                  70
## 1502                76          75          68                  34
## 1503                73          81          69                  60
## 1504                82          76          77                  32
## 1505                37          62          76                  77
## 1506                76          74          76                  47
## 1507                72          63          75                  75
## 1508                23          55          72                  77
## 1509                34          84          68                  75
## 1510                39          64          78                  82
## 1511                65          70          77                  77
## 1512                72          68          72                  66
## 1513                61          72          72                  76
## 1514                42          53          80                  79
## 1515                19          58          75                  78
## 1516                24          57          74                  78
## 1517                79          73          73                  45
## 1518                74          80          75                  57
## 1519                66          62          70                  62
## 1520                20          38          66                  15
## 1521                13          17          72                  10
## 1522                81          78          70                  42
## 1523                73          75          69                  60
## 1524                81          79          68                  42
## 1525                75          76          73                  56
## 1526                77          71          75                  66
## 1527                33          43          73                  72
## 1528                30          45          62                  75
## 1529                79          77          72                  31
## 1530                25          39          77                  77
## 1531                38          54          71                  75
## 1532                74          73          77                  60
## 1533                19          21          72                  18
## 1534                32          58          77                  74
## 1535                13          40          75                  17
```

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## 1536                33          61          67                  74
## 1537                74          72          76                  61
## 1538                25          38          73                  78
## 1539                18          65          71                  78
## 1540                20          28          70                  11
## 1541                58          58          75                  77
## 1542                68          72          74                  70
## 1543                15          41          73                  13
## 1544                81          76          64                  45
## 1545                60          69          75                  73
## 1546                76          80          75                  41
## 1547                58          82          81                  65
## 1548                81          86          73                  47
## 1549                71          70          70                  64
## 1550                69          74          74                  60
## 1551                77          51          76                  44
## 1552                73          68          75                  68
## 1553                35          78          75                  80
## 1554                77          87          72                  61
## 1555                34          59          78                  75
## 1556                71          75          69                  65
## 1557                53          63          76                  80
## 1558                13          11          73                  15
## 1559                61          88          68                  77
## 1560                14          35          70                  17
## 1561                80          68          75                  65
## 1562                14          51          67                  11
## 1563                48          85          75                  68
## 1564                54          72          72                  76
## 1565                13          23          76                   8
## 1566                54          39          74                  73
## 1567                11          37          74                  18
## 1568                42          65          80                  80
## 1569                55          80          82                  77
## 1570                14          40          75                  14
## 1571                78          86          68                  21
## 1572                78          70          66                  20
## 1573                76          80          78                  69
## 1574                24          60          71                  76
## 1575                81          80          80                  57
## 1576                37          71          75                  84
## 1577                14          31          69                  11
## 1578                80          74          70                  30
## 1579                22          70          70                  86
## 1580                54          50          76                  70
## 1581                68          72          74                  68
## 1582                75          82          63                  53
## 1583                75          74          74                  66
## 1584                79          87          76                  39
## 1585                24          58          70                  80
## 1586                76          83          62                  46
## 1587                64          70          71                  70
## 1588                81          79          75                  45
## 1589                20          38          72                  17
```

```
## 1590                61          61          67                  65
## 1591                37          36          73                  72
## 1592                74          76          74                  58
## 1593                34          71          76                  72
## 1594                11          40          68                  15
## 1595                78          74          71                  31
## 1596                72          82          80                  50
## 1597                78          85          70                  34
## 1598                12          31          76                  17
## 1599                78          69          70                  16
## 1600                15          41          73                  13
## 1601                77          78          68                  35
## 1602                65          49          74                  61
## 1603                25          70          68                  72
## 1604                79          78          62                  28
## 1605                77          81          72                  43
## 1606                74          78          74                  23
## 1607                37          62          71                  73
## 1608                77          76          76                  73
## 1609                77          84          64                  40
## 1610                37          67          72                  72
## 1611                20          43          79                  77
## 1612                32          43          66                  76
## 1613                33          31          66                  72
## 1614                32          48          76                  67
## 1615                70          82          81                  65
## 1616                77          88          67                  34
## 1617                76          68          71                  59
## 1618                74          64          74                  61
## 1619                74          70          82                  72
## 1620                10          55          72                  31
## 1621                33          57          74                  77
## 1622                13          41          76                  77
## 1623                77          72          77                  55
## 1624                74          82          77                  67
## 1625                75          82          67                  36
## 1626                77          93          67                  34
## 1627                74          82          62                  67
## 1628                76          81          72                  55
## 1629                73          67          73                  60
## 1630                10          42          75                   8
## 1631                40          57          73                  72
## 1632                60          78          70                  74
## 1633                20          50          77                  79
## 1634                59          57          68                  73
## 1635                24          52          67                  73
## 1636                76          61          77                  58
## 1637                30          44          74                  68
## 1638                76          80          72                  65
## 1639                69          66          73                  72
## 1640                68          66          77                  74
## 1641                77          72          68                  34
## 1642                75          78          79                  69
## 1643                75          80          70                  58
```

```
## 1644                76          81          71                  70
## 1645                65          67          72                  68
## 1646                74          70          72                  63
## 1647                28          56          66                  70
## 1648                73          78          73                  65
## 1649                77          72          70                  65
## 1650                76          74          75                  61
## 1651                68          76          76                  71
## 1652                70          74          74                  72
## 1653                71          75          74                  50
## 1654                75          70          74                  60
## 1655                42          69          69                  73
## 1656                68          74          72                  62
## 1657                74          90          68                  43
## 1658                33          40          67                  77
## 1659                23          48          69                  75
## 1660                17          37          72                   7
## 1661                33          58          69                  77
## 1662                28          67          70                  74
## 1663                12          21          69                  16
## 1664                77          70          72                  22
## 1665                74          70          65                  59
## 1666                20          53          76                  78
## 1667                24          36          68                  75
## 1668                20          26          70                  77
## 1669                74          73          75                  67
## 1670                45          74          64                  72
## 1671                73          66          72                  65
## 1672                78          77          78                  65
## 1673                17          73          70                  69
## 1674                75          72          73                  70
## 1675                35          80          69                  70
## 1676                70          84          75                  61
## 1677                78          70          66                  20
## 1678                74          76          65                  52
## 1679                71          72          68                  70
## 1680                73          69          71                  64
## 1681                78          83          74                  49
## 1682                32          52          69                  74
## 1683                24          89          73                  77
## 1684                23          39          73                  76
## 1685                61          60          73                  62
## 1686                76          79          61                  33
## 1687                77          74          79                  24
## 1688                39          61          71                  75
## 1689                43          50          69                  69
## 1690                78          73          73                  33
## 1691                72          78          66                  70
## 1692                74          88          72                  45
## 1693                23          59          73                  70
## 1694                74          69          74                  40
## 1695                61          57          72                  69
## 1696                75          78          72                  58
## 1697                72          78          75                  62
```

```
## 1698                22          48          76                  74
## 1699                46          77          72                  77
## 1700                19          42          76                  77
## 1701                70          69          74                  69
## 1702                74          85          70                  68
## 1703                74          65          75                  70
## 1704                58          60          72                  75
## 1705                67          72          76                  68
## 1706                75          66          73                  42
## 1707                19          22          71                  12
## 1708                76          79          73                  72
## 1709                70          74          70                  67
## 1710                32          43          71                  62
## 1711                11          22          66                  11
## 1712                47          52          66                  74
## 1713                72          66          74                  73
## 1714                32          65          63                  71
## 1715                72          76          75                  73
## 1716                40          70          75                  73
## 1717                72          70          75                  65
## 1718                78          76          66                  40
## 1719                69          75          73                  65
## 1720                51          51          71                  74
## 1721                18          32          81                  73
## 1722                77          64          73                  44
## 1723                21          23          73                  17
## 1724                78          79          73                  37
## 1725                23          56          70                  74
## 1726                48          63          65                  73
## 1727                30          39          70                  80
## 1728                80          84          71                  30
## 1729                79          64          62                  40
## 1730                77          70          67                  41
## 1731                36          60          77                  76
## 1732                68          67          75                  68
## 1733                72          67          76                  62
## 1734                76          73          72                  55
## 1735                71          85          71                  64
## 1736                75          89          69                  59
## 1737                18          30          71                  13
## 1738                79          83          66                  54
## 1739                11          23          74                   3
## 1740                22          88          75                  74
## 1741                21          46          74                  78
## 1742                37          49          73                  73
## 1743                30          41          66                  66
## 1744                75          76          71                  66
## 1745                79          61          73                  32
## 1746                78          74          78                  48
## 1747                76          81          66                  25
## 1748                61          71          75                  73
## 1749                41          66          72                  76
## 1750                15          41          74                  18
## 1751                34          52          72                  76
```

```
## 1752                71          74          74                  69
## 1753                65          64          70                  68
## 1754                36          60          74                  74
## 1755                52          52          74                  74
## 1756                68          74          75                  68
## 1757                21          68          75                  75
## 1758                76          82          73                  56
## 1759                77          69          71                  68
## 1760                24          76          75                  77
## 1761                15          49          71                  76
## 1762                68          60          70                  60
## 1763                71          75          70                  67
## 1764                26          49          67                  68
## 1765                69          75          67                  55
## 1766                20          60          70                  71
## 1767                72          80          75                  67
## 1768                76          78          74                  68
## 1769                77          75          73                  27
## 1770                13          63          73                  73
## 1771                28          56          72                  78
## 1772                55          63          66                  68
## 1773                79          76          74                  51
## 1774                60          57          77                  74
## 1775                45          61          72                  76
## 1776                71          72          67                  66
## 1777                80          85          74                  38
## 1778                68          73          74                  57
## 1779                12          31          65                   8
## 1780                74          80          72                  23
## 1781                74          69          73                  40
## 1782                75          77          71                  64
## 1783                74          82          73                  72
## 1784                13          24          72                  18
## 1785                74          74          76                  60
## 1786                77          83          66                  50
## 1787                13          40          70                  78
## 1788                77          82          67                  61
## 1789                35          55          73                  80
## 1790                77          72          72                  62
## 1791                79          82          69                  19
## 1792                72          82          74                  68
## 1793                26          38          63                  71
## 1794                74          78          71                  47
## 1795                71          74          78                  65
## 1796                40          84          74                  74
## 1797                30          55          70                  73
## 1798                57          51          73                  72
## 1799                76          80          70                  61
## 1800                28          55          81                  83
## 1801                75          81          70                  26
## 1802                76          69          74                  62
## 1803                80          90          74                  49
## 1804                54          29          71                  74
## 1805                66          62          76                  71
```

```
## 1806                18          41          78                  15
## 1807                72          90          70                  51
## 1808                39          74          70                  75
## 1809                76          72          70                  67
## 1810                20          68          69                  73
## 1811                35          45          73                  67
## 1812                48          68          77                  67
## 1813                76          67          72                  25
## 1814                34          47          72                  67
## 1815                76          81          73                  57
## 1816                75          84          73                  63
## 1817                19          44          56                  66
## 1818                75          71          72                  74
## 1819                79          74          69                  12
## 1820                51          63          77                  80
## 1821                41          71          75                  68
## 1822                72          70          72                  70
## 1823                74          72          75                  74
## 1824                22          69          73                  75
## 1825                45          80          71                  76
## 1826                13          26          74                  10
## 1827                73          72          75                  72
## 1828                79          84          75                  57
## 1829                72          69          73                  82
## 1830                79          66          73                  42
## 1831                77          59          74                  53
## 1832                34          77          77                  74
## 1833                74          60          73                  71
## 1834                27          30          65                  72
## 1835                69          59          73                  69
## 1836                77          70          73                  38
## 1837                75          78          72                  37
## 1838                72          70          71                  75
## 1839                40          72          74                  74
## 1840                73          79          73                  74
## 1841                26          80          72                  75
## 1842                34          63          69                  70
## 1843                74          85          76                  69
## 1844                73          67          72                  63
## 1845                76          75          73                  57
## 1846                28          78          75                  78
## 1847                31          46          72                  72
## 1848                33          35          76                  70
## 1849                78          81          68                  36
## 1850                74          76          72                  63
## 1851                30          59          80                  80
## 1852                63          77          75                  77
## 1853                19          45          68                  20
## 1854                77          76          73                  69
## 1855                24          73          73                  69
## 1856                73          82          72                  24
## 1857                72          83          74                  61
## 1858                71          71          74                  67
## 1859                39          43          68                  64
```

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## 1860                71         72         74                  68
## 1861                72         69         72                  69
## 1862                78         75         65                  32
## 1863                22         38         80                  83
## 1864                29         59         74                  74
## 1865                76         80         74                  68
## 1866                30         42         73                  76
## 1867                72         82         74                  69
## 1868                26         48         70                  76
## 1869                75         75         68                  49
## 1870                40         55         66                  67
## 1871                76         77         74                  72
## 1872                29         33         76                  77
## 1873                58         63         74                  66
## 1874                13         29         69                  14
## 1875                78         78         69                  30
## 1876                69         77         78                  69
## 1877                72         80         71                  70
## 1878                19         69         74                  67
## 1879                78         68         70                  54
## 1880                36         74         74                  77
## 1881                76         63         73                  65
## 1882                78         74         73                  64
## 1883                74         68         71                  64
## 1884                76         73         76                  74
## 1885                77         72         67                  44
## 1886                22         23         73                  74
##       Interceptions Vision Composure Crossing Short_Pass Long_Pass
## 1                29     85        86       84         83        77
## 2                22     90        94       77         88        87
## 3                36     80        80       75         81        75
## 4                41     84        83       77         83        64
## 5                30     70        70       15         55        59
## 6                30     68        60       17         31        32
## 7                39     78        87       62         83        65
## 8                59     79        85       87         86        80
## 9                20     83        91       76         84        76
## 10               15     44        52       14         32        31
## 11               84     76        86       69         75        80
## 12               41     86        86       80         84        80
## 13               76     90        76       78         92        83
## 14               24     93        73       82         89        84
## 15               20     70        84       68         73        59
## 16               91     74        80       60         79        81
## 17               88     63        76       66         76        70
## 18               24     83        90       70         79        63
## 19               70     86        83       78         85        87
## 20               35     76        81       82         79        75
## 21               52     88        84       90         89        82
## 22               50     86        82       83         86        79
## 23               42     82        82       80         80        73
## 24               77     88        85       85         89        93
## 25               88     52        80       55         79        70
## 26               89     79        91       64         78        82
```

```
## 27          27    30    64    13    27    31
## 28          88    50    78    58    55    59
## 29          93    82    94    84    86    77
## 30          88    48    68    46    70    61
## 31          23    53    70    19    35    33
## 32          28    50    80    13    37    35
## 33          68    94    88    79    92    86
## 34          19    55    55    13    29    26
## 35          55    86    79    88    84    80
## 36          48    77    79    77    77    64
## 37          90    74    82    44    75    83
## 38          89    80    86    76    84    82
## 39          69    87    81    81    87    92
## 40          41    92    92    85    91    78
## 41          22    41    72    12    36    34
## 42          88    62    76    57    81    80
## 43          39    83    86    80    84    71
## 44          24    82    82    78    83    67
## 45          83    86    91    72    90    87
## 46          85    78    79    82    83    80
## 47          68    85    67    80    85    73
## 48          22    53    62     9    37    33
## 49          58    81    83    74    81    68
## 50          86    84    82    62    88    79
## 51          74    85    81    72    90    86
## 52          83    68    75    83    79    70
## 53          30    87    79    77    85    78
## 54          38    85    80    88    83    82
## 55          40    74    84    65    67    52
## 56          48    77    81    70    75    50
## 57          86    76    85    73    84    81
## 58          83    75    76    87    81    76
## 59          82    84    84    76    87    85
## 60          88    53    80    48    65    65
## 61          22    85    82    75    86    47
## 62          50    91    92    85    91    90
## 63          36    86    86    81    86    75
## 64          64    85    88    85    86    84
## 65          92    58    82    40    65    65
## 66          35    72    83    70    75    67
## 67          40    77    86    70    80    68
## 68          20    54    49    11    30    37
## 69          27    70    84    68    71    68
## 70          45    88    82    84    87    83
## 71          79    87    86    74    90    83
## 72          86    64    81    64    77    81
## 73          55    83    74    75    82    77
## 74          68    88    84    80    89    85
## 75          39    87    85    83    86    77
## 76          85    74    83    60    77    76
## 77          37    87    86    86    86    84
## 78          36    81    75    77    80    74
## 79          80    52    82    47    64    64
## 80          70    86    77    78    87    81
```

```
## 81          85    75    85    75    84    79
## 82          25    49    57    11    33    34
## 83          86    56    80    54    76    69
## 84          82    70    78    84    78    77
## 85          77    59    85    61    65    66
## 86          85    52    68    58    73    78
## 87          18    74    66    80    77    72
## 88          82    57    69    83    81    71
## 89          38    79    82    80    80    76
## 90          82    56    66    36    72    74
## 91          22    64    76    46    73    54
## 92          26    85    72    82    81    72
## 93          65    84    76    72    84    82
## 94          64    89    75    84    86    85
## 95          85    22    75    27    60    61
## 96          20    52    65    11    24    26
## 97          82    45    74    52    70    66
## 98          85    55    71    51    77    69
## 99          86    77    85    68    83    80
## 100         82    70    80    86    79    69
## 101         87    23    73    29    59    59
## 102         43    80    73    79    80    72
## 103         84    84    85    74    86    83
## 104         40    82    80    83    82    78
## 105         85    83    86    60    87    86
## 106         42    78    80    84    81    73
## 107         82    69    70    68    79    78
## 108         86    80    84    72    85    81
## 109         85    57    82    58    74    64
## 110         23    42    61    14    25    26
## 111         22    46    39    24    39    39
## 112         70    88    82    80    88    85
## 113         80    47    78    45    65    65
## 114         23    55    63    14    37    28
## 115         82    78    82    84    81    77
## 116         61    86    83    82    85    81
## 117         90    68    86    63    79    75
## 118         23    73    87    54    71    52
## 119         60    85    83    67    86    83
## 120         85    41    69    41    72    56
## 121         85    27    60    47    68    58
## 122         91    76    84    67    84    79
## 123         21    58    30    12    32    23
## 124         78    82    85    77    83    78
## 125         76    83    78    61    85    84
## 126         84    51    77    72    77    73
## 127         34    66    80    60    72    50
## 128         84    77    87    58    83    86
## 129         38    79    72    78    81    62
## 130         26    76    74    72    81    67
## 131         36    80    78    78    83    72
## 132         37    83    76    72    83    76
## 133         80    57    69    75    72    73
## 134         81    34    67    30    57    48
```

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## 135          85    69    83    50    81    79
## 136          22    55    20    19    35    32
## 137          84    72    73    52    80    82
## 138          25    78    70    80    81    82
## 139          25    52    55    19    32    31
## 140          19    44    58    11    33    31
## 141          84    72    80    54    77    77
## 142          58    70    76    78    77    73
## 143          36    68    69    69    80    67
## 144          22    57    66    15    30    38
## 145          66    82    85    77    85    79
## 146          82    86    82    74    86    80
## 147          69    86    75    77    87    83
## 148          82    49    80    52    66    63
## 149          49    74    72    78    83    70
## 150          73    81    82    82    83    81
## 151          18    50    58    15    37    24
## 152          34    83    79    70    83    80
## 153          85    77    85    59    82    78
## 154          72    80    80    75    85    80
## 155          85    64    70    55    78    70
## 156          84    59    78    49    74    69
## 157          40    78    79    77    75    51
## 158          84    85    82    78    83    84
## 159          85    68    66    79    80    74
## 160          26    85    88    72    78    70
## 161          26    62    79    62    70    55
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## 164          41    75    78    63    77    56
## 165          22    63    53    12    31    30
## 166          21    58    57    13    40    31
## 167          34    83    83    70    75    71
## 168          38    76    85    70    79    72
## 169          23    71    60    12    32    31
## 170          81    72    82    85    78    69
## 171          83    65    82    68    78    74
## 172          21    31    62    14    26    32
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## 174          22    74    81    62    75    62
## 175          85    55    62    36    63    54
## 176          84    63    79    62    69    72
## 177          37    83    82    80    86    76
## 178          83    56    77    28    65    61
## 179          83    53    80    32    72    74
## 180          80    76    81    88    81    74
## 181          20    59    41    18    21    18
## 182          70    86    80    78    89    86
## 183          40    80    75    77    79    78
## 184          25    42    68    14    32    35
## 185          78    72    64    83    75    66
## 186          45    85    83    83    86    83
## 187          31    80    79    82    81    79
## 188          82    62    80    82    77    71
```

```
## 189          54    83    89    78    79    85
## 190          87    72    82    57    82    82
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## 194          49    84    82    76    83    78
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## 196          80    61    70    35    74    69
## 197          42    70    80    73    75    58
## 198          65    81    81    65    83    73
## 199          25    60    31    20    15    25
## 200          55    71    75    71    78    63
## 201          29    77    76    72    76    72
## 202          44    82    70    84    80    76
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## 205          86    56    66    69    78    71
## 206          84    41    75    35    67    69
## 207          81    75    79    67    89    80
## 208          13    45    34    14    35    37
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## 210          83    59    87    53    74    76
## 211          27    31    59    11    36    40
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## 214          37    79    77    79    81    78
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## 216          58    81    82    81    77    67
## 217          76    86    73    68    85    89
## 218          86    50    82    49    70    71
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## 220          70    84    78    75    82    80
## 221          78    71    75    80    78    71
## 222          81    71    83    59    79    83
## 223          74    83    83    64    84    78
## 224          82    56    75    59    68    66
## 225          86    72    78    55    78    76
## 226          85    72    80    60    80    76
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## 234          56    80    81    60    84    73
## 235          22    45    48    13    25    12
## 236          49    79    75    73    77    75
## 237          75    69    75    79    74    67
## 238          51    78    84    76    81    73
## 239          84    69    72    61    77    75
## 240          42    81    82    74    79    75
## 241          37    84    80    82    83    77
## 242          38    78    86    76    77    70
```

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## 245          23    47    22    19    22    36
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## 261          78    83    83    82    84    82
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## 265          73    82    86    77    83    81
## 266          78    76    86    65    84    79
## 267          75    86    73    86    84    85
## 268          82    63    80    69    74    77
## 269          82    80    80    74    83    82
## 270          22    44    53    11    35    33
## 271          83    49    73    38    71    65
## 272          20    62    85    62    69    50
## 273          82    79    83    67    85    84
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## 275          53    83    79    73    84    77
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## 277          84    64    76    38    72    76
## 278          21    58    24    10    39    28
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## 281          29    71    83    71    74    67
## 282          21    38    70    10    27    36
## 283          88    58    87    38    67    58
## 284          86    62    80    80    75    69
## 285          84    87    83    79    89    91
## 286          83    85    85    72    87    85
## 287          57    94    93    91    88    90
## 288          22    65    70    13    21    22
## 289          34    78    72    75    74    65
## 290          78    77    74    67    83    82
## 291          72    81    78    72    83    81
## 292          34    78    74    76    79    70
## 293          84    30    69    30    72    57
## 294          26    77    71    76    75    75
## 295          81    83    75    79    83    82
## 296          52    80    65    82    79    75
```

```
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## 305          78    83    75    70    85    84
## 306          43    78    72    80    79    75
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## 315          45    81    80    65    84    78
## 316          39    73    73    74    75    66
## 317          86    75    73    50    79    78
## 318          44    76    75    76    78    59
## 319          70    82    78    78    83    77
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## 321          31    77    75    78    77    68
## 322          18    53    48    11    15    20
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## 324          79    66    76    78    77    69
## 325          38    65    83    45    68    45
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## 333          78    75    79    64    81    76
## 334          71    81    70    77    79    76
## 335          71    76    63    80    80    76
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## 337          30    70    64    68    72    52
## 338          15    41    68    12    32    36
## 339          42    66    78    60    72    48
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## 343          86    62    67    50    77    74
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## 345          70    76    79    67    82    71
## 346          83    47    83    44    64    62
## 347          81    49    65    54    75    74
## 348          48    71    76    61    75    60
## 349          79    71    78    84    79    75
## 350          20    35    57    12    34    43
```

```
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## 352          83    65    82    52    75    69
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## 354          29    84    79    68    81    74
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## 357          86    46    74    34    68    68
## 358          65    82    83    77    87    85
## 359          28    70    78    74    73    71
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## 374          23    53    60    11    24    22
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## 377          24    40    57    12    27    29
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## 379          19    37    56    18    34    34
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## 382          20    76    69    68    78    51
## 383          25    67    68    18    23    21
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## 385          41    82    83    73    82    80
## 386          83    59    82    42    66    62
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## 392          28    76    88    73    78    70
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## 395          29    44    49    13    32    19
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## 397          81    31    70    45    59    59
## 398          66    78    76    78    79    70
## 399          23    69    73    77    78    62
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## 401          77    79    76    79    84    80
## 402          29    80    59    74    80    68
## 403          19    73    71    70    76    66
## 404          38    69    73    73    72    68
```

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## 406          86    79    74    79    83    74
## 407          80    70    75    79    76    74
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## 419          78    57    74    54    62    56
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## 443          82    75    78    68    78    84
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## 454          84    65    74    61    79    76
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## 458          36    73    71    70    74    57
```

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## 467          74    81    62    78    83    80
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## 475          36    84    76    79    82    69
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## 495          77    60    61    81    76    66
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## 497          65    83    65    83    84    78
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```

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## 565          36    76    74    76    76    69
## 566          61    79    69    80    76    68
```

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## 577          69    82    84    61    84    78
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## 582          79    66    78    67    75    76
## 583          82    44    72    23    70    56
## 584          38    79    76    68    75    65
## 585          32    78    77    74    80    73
## 586          74    58    72    80    74    70
## 587          79    61    61    67    69    69
## 588          71    78    74    75    81    75
## 589          76    65    69    79    75    69
## 590          82    30    74    40    54    54
## 591          24    41    38    13    17    21
## 592          77    72    71    78    80    69
## 593          26    63    66    53    72    51
## 594          29    73    72    75    75    62
## 595          80    79    65    57    85    79
## 596          45    78    71    77    79    78
## 597          80    76    83    68    82    78
## 598          31    84    78    79    81    77
## 599          81    62    67    71    77    69
## 600          25    81    51    81    82    72
## 601          43    72    68    73    77    73
## 602          81    77    79    75    80    75
## 603          81    40    70    51    74    67
## 604          78    76    84    55    83    76
## 605          42    82    77    78    81    75
## 606          47    76    74    76    77    64
## 607          74    61    67    40    75    76
## 608          40    63    73    54    73    46
## 609          61    79    72    82    81    69
## 610          59    81    60    83    77    76
## 611          78    44    75    47    65    69
## 612          31    76    77    73    79    65
## 613          78    57    56    79    78    65
## 614          39    75    73    79    78    75
## 615          81    56    59    81    75    77
## 616          70    65    72    78    74    72
## 617          81    67    70    71    75    77
## 618          76    67    77    47    86    79
## 619          78    74    76    68    78    76
## 620          21    57    61    17    37    38
```

```
## 621                82      69        61        65        82        80
## 622                32      78        75        74        78        68
## 623                78      47        71        58        60        58
## 624                46      83        51        74        86        73
## 625                77      62        63        81        75        72
## 626                74      63        76        79        76        69
## 627                77      80        76        73        81        79
## 628                28      65        75        61        63        46
## 629                85      67        72        49        69        62
## 630                23      76        72        74        77        75
## 631                81      67        76        63        75        68
## 632                80      62        66        58        78        70
## 633                76      67        77        60        77        76
## 634                27      43        41        12        34        29
## 635                29      74        81        46        74        65
## 636                70      80        75        76        84        80
## 637                30      79        70        61        71        55
## 638                78      46        74        40        67        62
## 639                83      72        69        62        82        81
## 640                79      69        77        76        74        65
## 641                74      64        70        83        76        73
## 642                31      75        63        78        73        67
## 643                83      62        76        60        75        73
## 644                82      69        79        34        83        74
## 645                24      45        59        15        39        38
## 646                76      68        76        76        79        74
## 647                78      65        74        78        76        70
## 648                80      44        71        56        71        68
## 649                83      66        78        64        77        74
## 650                76      80        81        82        83        85
## 651                26      55        65        15        43        44
## 652                72      74        72        76        76        70
## 653                65      74        72        79        79        72
## 654                46      68        82        77        73        65
## 655                49      80        81        78        80        72
## 656                28      66        75        56        72        51
## 657                82      69        66        58        75        72
## 658                25      40        29        11        36        32
## 659                50      77        82        69        76        70
## 660                41      81        79        78        80        76
## 661                60      78        74        78        80        76
## 662                81      48        68        49        73        67
## 663                21      40        66        11        39        34
## 664                21      44        52        11        38        36
## 665                77      71        78        74        77        75
## 666                82      37        75        34        58        64
## 667                32      73        78        65        74        64
## 668                36      82        80        78        78        76
## 669                81      82        84        80        82        82
## 670                81      45        68        52        72        62
## 671                86      42        74        30        60        64
## 672                80      56        83        65        81        82
## 673                85      60        76        67        71        67
## 674                79      48        76        63        75        73
```

```
## 675          18    76    82    68    76    66
## 676          25    70    84    44    71    49
## 677          38    69    82    61    73    46
## 678          75    64    76    79    75    73
## 679          54    78    78    78    81    74
## 680          39    78    80    80    77    73
## 681          68    79    67    79    79    80
## 682          80    55    80    30    63    65
## 683          33    72    82    66    78    69
## 684          72    75    78    71    82    84
## 685          52    83    74    76    81    82
## 686          82    67    75    62    75    77
## 687          42    81    75    80    83    80
## 688          76    59    73    75    64    69
## 689          27    61    80    63    73    44
## 690          79    48    71    50    65    58
## 691          78    62    75    59    74    79
## 692          76    72    76    67    80    74
## 693          42    80    74    80    80    69
## 694          33    74    70    77    76    74
## 695          63    84    78    88    85    83
## 696          83    69    86    59    78    72
## 697          16    51    51    14    36    23
## 698          59    71    79    66    75    68
## 699          23    48    57    15    31    32
## 700          72    58    82    67    68    75
## 701          33    62    65    68    66    60
## 702          22    37    65    14    32    31
## 703          36    75    67    70    78    72
## 704          78    74    81    86    82    82
## 705          71    82    75    83    83    85
## 706          22    52    61    16    33    32
## 707          12    42    66    11    29    41
## 708          38    70    73    68    73    56
## 709          60    78    69    68    80    70
## 710          32    72    84    66    74    66
## 711          29    75    56    79    76    69
## 712          55    66    70    59    67    58
## 713          38    58    67    52    63    54
## 714          81    80    59    44    77    78
## 715          63    78    76    84    76    71
## 716          79    34    46    30    72    62
## 717          52    77    75    80    74    73
## 718          21    72    76    67    71    56
## 719          75    74    55    68    79    82
## 720          37    72    73    70    69    63
## 721          81    73    80    63    78    66
## 722          30    73    61    78    77    61
## 723          21    37    26    18    23    18
## 724          58    71    67    76    71    63
## 725          76    69    72    76    75    65
## 726          21    59    75    70    68    50
## 727          72    64    72    78    72    66
## 728          80    46    63    30    70    60
```

```
## 729          19    64    66    48    68    48
## 730          20    47    73    44    64    38
## 731          79    76    79    74    79    75
## 732          82    51    55    55    74    69
## 733          76    67    75    81    74    77
## 734          35    57    64    69    74    55
## 735          50    70    68    80    73    60
## 736          78    41    67    36    69    49
## 737          50    77    69    74    78    71
## 738          74    60    74    78    73    68
## 739          79    59    75    52    74    70
## 740          15    39    50    20    31    26
## 741          79    56    72    69    74    72
## 742          69    56    70    74    68    49
## 743          80    71    74    62    80    72
## 744          81    52    75    51    73    70
## 745          47    75    65    71    75    65
## 746          78    35    58    68    74    60
## 747          79    46    67    46    68    70
## 748          74    69    74    75    74    68
## 749          57    79    75    72    74    73
## 750          79    52    74    49    63    67
## 751          32    74    76    69    75    65
## 752          41    71    73    69    71    67
## 753          45    75    74    76    75    68
## 754          73    60    73    77    73    71
## 755          30    68    68    67    72    57
## 756          79    70    77    61    75    69
## 757          32    76    68    73    78    74
## 758          57    76    69    73    77    74
## 759          34    76    81    77    74    62
## 760          77    42    62    35    60    58
## 761          74    80    74    86    78    86
## 762          80    61    72    57    70    65
## 763          80    78    72    69    82    82
## 764          15    65    49    18    37    34
## 765          24    65    77    58    69    64
## 766          43    76    79    75    77    68
## 767          26    69    66    74    75    64
## 768          74    35    40    21    65    68
## 769          80    71    74    69    75    72
## 770          31    75    68    68    73    63
## 771          34    60    78    67    70    53
## 772          76    35    66    71    69    69
## 773          80    83    71    70    81    78
## 774          53    82    74    78    83    81
## 775          20    53    70    23    40    45
## 776          49    72    76    65    70    65
## 777          76    53    75    56    68    64
## 778          79    60    72    40    75    55
## 779          80    73    83    66    85    73
## 780          25    76    82    73    77    69
## 781          44    76    74    69    69    70
## 782          47    61    78    56    59    46
```

```
## 783          23    65    70    51    66    44
## 784          42    63    65    65    69    61
## 785          43    72    82    77    74    63
## 786          74    76    80    67    78    76
## 787          62    83    74    58    78    71
## 788          31    61    74    64    70    60
## 789          16    38    50    15    35    37
## 790          66    76    78    78    78    70
## 791          75    54    58    75    65    64
## 792          76    67    71    60    76    75
## 793          81    56    60    60    79    82
## 794          76    61    69    49    72    71
## 795          43    74    72    78    75    77
## 796          40    83    75    76    78    68
## 797          77    73    81    62    78    79
## 798          40    65    67    73    71    66
## 799          75    30    59    36    64    54
## 800          78    64    77    63    78    73
## 801          65    78    74    74    77    76
## 802          45    71    76    74    73    65
## 803          43    83    74    88    80    81
## 804          22    42    54    11    19    26
## 805          31    63    69    75    71    67
## 806          77    62    70    82    75    70
## 807          74    72    74    82    78    78
## 808          54    77    72    75    78    76
## 809          61    79    72    73    80    77
## 810          74    75    82    70    80    75
## 811          70    45    73    51    72    68
## 812          51    60    73    62    67    31
## 813          25    50    60    13    38    40
## 814          25    73    81    74    74    70
## 815          44    81    80    78    80    82
## 816          74    49    73    51    75    62
## 817          34    77    69    74    76    73
## 818          49    78    72    71    77    75
## 819          76    72    84    68    84    75
## 820          82    37    42    50    73    65
## 821          39    69    75    71    73    69
## 822          19    47    61    48    47    40
## 823          51    74    68    76    75    63
## 824          38    67    74    69    76    70
## 825          69    40    64    32    66    50
## 826          70    44    75    47    50    69
## 827          75    72    76    69    80    76
## 828          27    64    72    75    73    59
## 829          29    67    78    55    73    60
## 830          75    69    69    66    73    77
## 831          35    81    79    84    73    72
## 832          45    65    78    64    65    56
## 833          55    84    83    86    80    76
## 834          79    50    76    43    72    67
## 835          24    66    72    62    72    50
## 836          21    55    65    13    39    33
```

```
## 837                54      82      84      74      86      81
## 838                76      74      75      78      79      77
## 839                74      66      77      70      79      75
## 840                74      60      69      65      74      70
## 841                80      38      68      45      50      58
## 842                35      69      85      46      73      53
## 843                73      74      77      61      78      66
## 844                29      55      30      20      39      46
## 845                43      65      78      68      69      55
## 846                76      50      71      75      70      63
## 847                79      56      76      55      62      67
## 848                43      80      53      88      80      82
## 849                76      75      78      85      78      77
## 850                76      64      76      76      72      68
## 851                69      71      65      74      71      69
## 852                78      76      71      69      83      73
## 853                22      44      34      19      27      19
## 854                66      82      77      81      83      74
## 855                78      71      78      66      78      74
## 856                83      75      80      64      82      81
## 857                81      80      76      72      80      78
## 858                25      80      71      74      80      74
## 859                22      44      67      13      36      25
## 860                80      74      80      57      80      78
## 861                25      65      66      13      49      33
## 862                77      63      77      81      79      70
## 863                77      51      73      56      61      66
## 864                74      60      78      76      74      68
## 865                77      85      86      79      82      84
## 866                46      70      75      60      68      58
## 867                57      75      82      76      78      70
## 868                78      69      81      81      79      77
## 869                17      44      56      13      28      31
## 870                84      62      71      42      63      62
## 871                76      76      79      60      83      81
## 872                78      63      80      47      80      72
## 873                74      55      73      44      74      73
## 874                75      84      82      76      84      86
## 875                26      71      78      66      71      71
## 876                40      79      68      78      79      75
## 877                31      75      72      77      78      61
## 878                77      75      80      67      78      76
## 879                78      63      77      66      75      79
## 880                73      51      74      63      78      72
## 881                39      76      80      70      74      60
## 882                81      76      75      69      79      79
## 883                62      77      63      84      74      66
## 884                76      80      79      71      81      79
## 885                42      73      80      78      76      54
## 886                75      75      80      76      79      77
## 887                23      48      61      19      20      19
## 888                41      78      79      74      78      58
## 889                71      72      74      81      80      77
## 890                76      72      78      78      74      68
```

```
## 891          60    82    78    78    80    78
## 892          75    60    74    52    72    73
## 893          22    38    56    12    33    48
## 894          40    72    76    57    71    45
## 895          76    32    56    31    61    67
## 896          20    59    63    15    23    19
## 897          75    40    85    53    66    63
## 898          70    80    72    79    83    80
## 899          50    79    82    70    76    77
## 900          79    50    67    49    70    77
## 901          26    82    70    82    80    77
## 902          78    66    75    59    74    78
## 903          73    83    81    70    85    82
## 904          35    81    80    87    80    79
## 905          33    79    85    60    77    70
## 906          79    54    70    53    57    68
## 907          83    26    76    32    58    58
## 908          49    77    79    70    75    68
## 909          17    45    45    13    52    38
## 910          72    68    77    60    76    71
## 911          23    56    51    57    65    58
## 912          76    72    67    71    75    77
## 913          72    64    80    76    76    59
## 914          32    58    59    56    63    47
## 915          32    77    84    74    75    75
## 916          77    61    54    77    71    75
## 917          71    68    66    76    73    59
## 918          67    56    77    76    77    67
## 919          33    71    67    10    24    23
## 920          80    44    68    50    68    61
## 921          71    66    67    77    74    69
## 922          70    75    69    72    82    79
## 923          82    34    78    48    67    68
## 924          13    50    75    33    74    31
## 925          75    78    57    71    81    78
## 926          78    73    60    56    84    81
## 927          28    49    35    21    25    25
## 928          60    77    69    73    79    73
## 929          75    80    77    73    81    73
## 930          79    43    77    42    76    73
## 931          73    68    74    76    74    72
## 932          33    73    58    70    74    63
## 933          15    77    68    73    76    66
## 934          66    68    55    78    71    73
## 935          76    80    71    70    79    78
## 936          53    70    74    70    71    68
## 937          15    48    46    20    49    33
## 938          60    69    69    71    76    71
## 939          58    65    73    71    75    64
## 940          67    44    60    36    65    61
## 941          76    75    69    68    80    76
## 942          21    69    75    74    74    62
## 943          33    56    46    65    68    49
## 944          78    62    70    40    68    74
```

```
## 945          79    28    60    36    68    65
## 946          76    31    62    34    57    50
## 947          72    78    81    73    77    81
## 948          55    80    72    72    80    71
## 949          23    61    27    15    26    26
## 950          67    68    72    82    75    73
## 951          83    53    72    68    69    66
## 952          71    80    73    69    78    76
## 953          28    69    70    61    68    65
## 954          77    62    63    58    79    83
## 955          82    66    74    60    74    72
## 956          75    70    64    68    73    67
## 957          20    55    28    18    24    21
## 958          82    71    80    62    76    75
## 959          37    66    71    76    70    67
## 960          34    60    56    64    69    59
## 961          30    80    81    77    79    80
## 962          24    74    72    73    76    62
## 963          77    70    73    68    79    74
## 964          70    76    74    72    81    77
## 965          63    74    68    76    76    77
## 966          68    74    69    70    78    76
## 967          76    78    70    64    80    74
## 968          57    78    73    72    80    74
## 969          75    66    71    66    67    66
## 970          28    71    74    68    74    66
## 971          40    77    72    78    80    79
## 972          70    82    62    77    84    77
## 973          35    77    74    75    78    75
## 974          76    55    50    76    66    59
## 975          46    77    81    74    77    72
## 976          23    76    71    78    74    63
## 977          49    62    75    55    69    54
## 978          69    77    71    61    78    72
## 979          26    45    27    12    23    25
## 980          55    73    71    73    70    71
## 981          71    55    69    77    73    67
## 982          82    64    70    63    73    69
## 983          67    76    74    64    82    71
## 984          40    58    61    61    71    56
## 985          78    60    69    76    73    53
## 986          78    65    73    51    74    72
## 987          75    58    71    78    74    64
## 988          72    82    74    74    83    80
## 989          63    84    75    71    76    70
## 990          75    77    76    77    79    63
## 991          71    63    67    51    75    69
## 992          37    69    64    70    76    64
## 993          72    78    75    84    77    68
## 994          24    52    66    33    64    36
## 995          81    47    58    57    66    68
## 996          30    70    65    40    64    35
## 997          69    77    77    78    78    74
## 998          82    55    61    69    74    71
```

```
## 999          77    38    71    37    65    51
## 1000         76    42    63    81    76    68
## 1001         79    42    71    38    69    59
## 1002         64    80    55    62    85    84
## 1003         81    46    72    42    72    77
## 1004         73    40    75    33    65    56
## 1005         26    65    60    13    17    38
## 1006         29    64    72    45    63    44
## 1007         69    64    71    83    75    69
## 1008         70    78    73    75    78    76
## 1009         77    49    60    67    72    65
## 1010         52    70    70    72    77    70
## 1011         77    39    60    51    66    57
## 1012         76    72    74    68    77    75
## 1013         82    33    68    30    64    60
## 1014         78    76    62    64    81    76
## 1015         32    77    68    75    77    75
## 1016         24    66    72    65    67    52
## 1017         68    75    72    78    79    76
## 1018         78    68    67    53    78    64
## 1019         26    35    35    13    37    37
## 1020         45    72    78    81    77    73
## 1021         80    68    74    78    76    73
## 1022         76    68    72    72    73    67
## 1023         42    75    64    72    75    69
## 1024         21    54    41    13    32    38
## 1025         59    69    69    62    72    67
## 1026         39    70    70    67    72    68
## 1027         41    43    79    55    73    63
## 1028         75    77    70    73    81    76
## 1029         65    73    69    70    79    77
## 1030         24    73    75    77    73    63
## 1031         73    47    46    73    67    55
## 1032         58    78    75    76    82    75
## 1033         80    56    61    45    80    77
## 1034         72    68    65    71    76    66
## 1035         80    69    83    48    77    80
## 1036         21    71    67    67    68    54
## 1037         16    70    70    60    74    55
## 1038         33    72    75    57    74    68
## 1039         76    69    70    67    81    71
## 1040         28    74    60    76    83    75
## 1041         77    42    62    69    67    58
## 1042         83    47    75    43    69    66
## 1043         31    66    69    72    75    58
## 1044         75    73    77    45    77    74
## 1045         71    59    63    31    68    52
## 1046         40    79    75    78    78    75
## 1047         72    50    51    22    68    73
## 1048         23    74    61    74    77    63
## 1049         39    68    70    62    69    61
## 1050         75    65    82    70    76    61
## 1051         21    71    68    77    75    67
## 1052         77    59    53    76    69    75
```

```
## 1053          45    68    70    66    73    61
## 1054          46    71    73    74    78    76
## 1055          77    52    66    44    66    54
## 1056          77    56    61    67    67    61
## 1057          79    22    34    43    60    54
## 1058          20    58    76    56    68    42
## 1059          84    59    59    53    72    67
## 1060          75    64    69    74    69    65
## 1061          73    53    74    31    74    75
## 1062          27    38    65    19    38    36
## 1063          70    65    69    86    78    69
## 1064          76    51    71    78    72    66
## 1065          70    76    72    72    80    76
## 1066          79    52    67    49    80    68
## 1067          74    70    68    79    76    74
## 1068          79    73    72    69    79    78
## 1069          68    77    78    74    80    76
## 1070          81    68    77    56    78    76
## 1071          33    75    65    76    77    74
## 1072          83    74    71    52    78    68
## 1073          25    73    73    67    77    58
## 1074          47    70    77    69    71    63
## 1075          65    77    72    74    83    80
## 1076          80    79    82    68    85    77
## 1077          78    51    59    47    57    49
## 1078          77    65    74    68    75    73
## 1079          75    59    74    78    74    73
## 1080          72    73    63    76    74    72
## 1081          58    80    75    73    82    84
## 1082          32    79    75    70    76    72
## 1083          39    69    73    69    67    60
## 1084          75    82    75    76    84    86
## 1085          42    74    71    69    74    63
## 1086          79    38    70    40    60    64
## 1087          42    77    74    57    78    66
## 1088          73    70    66    73    70    68
## 1089          71    75    74    77    80    78
## 1090          78    63    55    80    72    67
## 1091          33    63    57    76    73    72
## 1092          14    71    80    67    78    74
## 1093          76    68    74    80    75    73
## 1094          41    70    78    69    69    62
## 1095          21    59    77    52    66    35
## 1096          77    72    76    78    76    75
## 1097          81    63    72    54    68    64
## 1098          78    73    80    60    73    66
## 1099          79    75    75    62    78    78
## 1100          14    29    32    14    33    33
## 1101          70    73    72    68    79    76
## 1102          74    72    67    84    71    69
## 1103          78    28    74    35    58    58
## 1104          32    65    67    72    71    60
## 1105          64    44    69    53    56    50
## 1106          80    59    70    68    69    81
```

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## 1107          48    71    72    71    74    67
## 1108          37    75    64    75    74    64
## 1109          67    45    49    78    66    66
## 1110          77    63    64    60    74    73
## 1111          64    78    70    78    78    77
## 1112          50    77    74    73    76    70
## 1113          51    70    77    73    74    64
## 1114          73    63    74    78    75    68
## 1115          78    68    74    60    78    76
## 1116          68    54    77    77    70    69
## 1117          12    47    23    17    36    32
## 1118          80    59    61    79    73    70
## 1119          76    34    72    57    73    66
## 1120          77    75    78    76    77    76
## 1121          74    43    66    26    74    75
## 1122          77    69    73    69    76    73
## 1123          80    76    71    61    81    80
## 1124          21    62    71    50    71    29
## 1125          48    70    68    79    75    72
## 1126          74    46    57    44    56    49
## 1127          49    75    65    77    78    74
## 1128          25    60    78    50    67    45
## 1129          70    85    75    70    82    75
## 1130          43    61    70    59    69    53
## 1131          76    72    54    68    82    81
## 1132          20    40    60    14    23    23
## 1133          35    66    67    64    74    65
## 1134          62    79    74    74    78    72
## 1135          78    28    74    22    55    55
## 1136          16    32    48    25    32    23
## 1137          69    77    77    74    78    76
## 1138          32    67    71    68    74    61
## 1139          74    55    73    59    63    78
## 1140          72    72    77    84    74    74
## 1141          80    69    76    77    75    69
## 1142          44    69    74    70    76    66
## 1143          77    67    67    61    74    76
## 1144          70    76    80    77    82    81
## 1145          42    63    74    70    62    49
## 1146          28    39    58    14    42    34
## 1147          78    59    79    29    70    69
## 1148          29    73    75    72    75    65
## 1149          29    66    67    78    70    64
## 1150          50    73    78    69    76    65
## 1151          78    81    58    64    80    76
## 1152          24    60    48    20    31    35
## 1153          80    69    77    67    74    71
## 1154          25    79    75    70    74    58
## 1155          18    55    78    51    60    42
## 1156          15    38    48    21    37    39
## 1157          79    56    71    25    59    55
## 1158          74    51    69    56    70    54
## 1159          75    54    75    73    69    66
## 1160          80    66    74    71    77    70
```

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## 1162          76    46    69    46    70    68
## 1163          23    65    72    57    70    61
## 1164          75    73    76    69    75    72
## 1165          43    63    75    54    69    51
## 1166          34    73    74    70    77    55
## 1167          76    73    77    70    76    81
## 1168          75    69    71    58    76    73
## 1169          24    43    64    15    35    35
## 1170          22    51    55    14    30    22
## 1171          46    79    77    80    79    71
## 1172          75    72    73    81    77    72
## 1173          38    63    72    66    72    60
## 1174          67    75    84    75    80    77
## 1175          79    70    69    61    78    76
## 1176          81    60    69    78    75    68
## 1177          19    13    45    12    29    22
## 1178          75    55    71    61    71    69
## 1179          81    50    66    45    72    75
## 1180          74    39    51    74    77    62
## 1181          19    50    54    18    38    42
## 1182          61    83    78    76    82    79
## 1183          23    42    27    10    20    11
## 1184          73    82    86    65    85    79
## 1185          76    73    70    84    76    73
## 1186          77    38    69    34    54    55
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## 1188          69    68    72    75    75    70
## 1189          44    72    78    68    75    59
## 1190          78    49    62    17    56    44
## 1191          42    80    74    71    79    71
## 1192          75    43    72    19    56    73
## 1193          23    53    54    11    29    20
## 1194          53    80    81    73    81    78
## 1195          75    67    74    62    66    73
## 1196          31    75    84    58    72    55
## 1197          61    77    75    80    78    69
## 1198          28    51    59    17    33    37
## 1199          81    41    79    58    56    61
## 1200          27    31    20    10    24    34
## 1201          14    35    44    10    25    24
## 1202          75    59    78    76    70    67
## 1203          13    32    62    14    31    20
## 1204          68    80    73    78    83    84
## 1205          28    78    73    75    82    78
## 1206          73    40    70    32    64    58
## 1207          73    76    72    64    80    74
## 1208          40    77    80    75    74    72
## 1209          70    52    80    48    77    76
## 1210          76    32    60    42    66    69
## 1211          77    71    62    74    71    71
## 1212          35    64    32    33    39    40
## 1213          34    71    66     9    22    21
## 1214          12    60    45     8    11    12
```

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## 1216          77    73    63    75    73    74
## 1217          72    44    75    61    67    75
## 1218          75    50    70    40    67    58
## 1219          75    47    54    55    61    72
## 1220          21    68    68    73    71    67
## 1221          30    68    70    76    77    67
## 1222          78    56    66    48    75    73
## 1223          58    69    67    63    77    72
## 1224          26    65    65    64    65    60
## 1225          21    72    77    66    68    54
## 1226          15    60    33    15    33    26
## 1227          77    32    51    68    66    39
## 1228          17    65    73    48    67    58
## 1229          76    34    68    41    68    61
## 1230          54    73    80    58    67    64
## 1231          43    71    75    69    73    62
## 1232          81    75    80    60    77    69
## 1233          76    70    76    68    76    76
## 1234          72    31    69    33    55    63
## 1235          77    48    75    43    65    64
## 1236          41    69    76    57    72    70
## 1237          79    67    75    52    78    67
## 1238          77    76    76    69    79    76
## 1239          76    33    48    57    67    58
## 1240          33    70    68    70    71    66
## 1241          39    75    69    69    76    75
## 1242          42    62    75    70    68    63
## 1243          80    70    69    52    76    78
## 1244          74    38    67    35    66    56
## 1245          85    54    69    64    72    64
## 1246          70    76    69    59    79    74
## 1247          37    69    73    56    66    58
## 1248          76    34    72    32    61    45
## 1249          37    67    67    70    75    59
## 1250          74    45    64    72    67    58
## 1251          49    74    74    68    71    60
## 1252          39    75    66    64    74    62
## 1253          35    77    57    72    76    73
## 1254          25    68    64    70    74    60
## 1255          76    49    65    62    70    58
## 1256          67    68    63    75    72    57
## 1257          78    33    73    35    60    55
## 1258          18    46    21    19    37    25
## 1259          78    45    53    75    74    59
## 1260          34    55    67    57    64    46
## 1261          81    35    60    48    53    46
## 1262          30    80    58    81    73    73
## 1263          52    70    53    69    71    65
## 1264          23    62    75    73    66    64
## 1265          26    74    73    63    69    62
## 1266          78    33    45    43    63    55
## 1267          71    73    81    59    80    78
## 1268          76    68    62    59    74    73
```

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## 1270          73    43    64    50    61    60
## 1271          31    75    68    73    72    60
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## 1273          76    34    71    42    52    39
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## 1275          77    67    58    48    75    67
## 1276          37    58    72    49    65    59
## 1277          25    69    72    72    71    58
## 1278          74    39    67    40    65    55
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## 1280          54    57    69    73    69    65
## 1281          78    72    72    71    78    76
## 1282          65    77    58    68    81    80
## 1283          18    51    32    18    30    20
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## 1285          30    69    78    74    72    67
## 1286          76    69    69    42    78    74
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## 1288          45    70    66    81    73    60
## 1289          38    75    71    52    72    67
## 1290          42    79    63    69    74    75
## 1291          19    61    72    47    68    34
## 1292          69    39    64    79    73    66
## 1293          72    43    75    47    64    65
## 1294          77    33    65    29    64    53
## 1295          75    57    75    48    68    73
## 1296          73    36    53    52    69    56
## 1297          75    41    73    77    74    66
## 1298          54    77    64    67    76    69
## 1299          46    74    67    72    77    65
## 1300          31    59    76    30    63    46
## 1301          74    70    60    65    75    76
## 1302          75    69    49    43    77    73
## 1303          50    70    68    65    69    70
## 1304          77    74    72    62    78    75
## 1305          72    70    70    46    80    77
## 1306          74    26    70    37    64    49
## 1307          74    33    42    47    76    65
## 1308          77    67    72    74    78    76
## 1309          81    72    72    63    78    76
## 1310          21    76    64    72    75    73
## 1311          81    69    78    50    73    78
## 1312          72    75    68    68    79    74
## 1313          26    50    44    15    27    36
## 1314          39    74    67    68    69    69
## 1315          23    70    66    74    74    66
## 1316          23    64    70    66    68    48
## 1317          55    78    64    66    76    69
## 1318          74    68    66    77    74    69
## 1319          71    75    75    68    81    77
## 1320          72    60    74    76    72    68
## 1321          20    78    62    64    77    57
## 1322          29    71    68    72    75    67
```

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## 1324          55    73    45    75    76    69
## 1325          65    82    79    88    81    80
## 1326          68    58    57    79    74    64
## 1327          76    71    72    67    75    72
## 1328          31    79    63    81    77    76
## 1329          24    66    27    17    28    33
## 1330          40    71    72    67    73    63
## 1331          43    56    76    54    67    45
## 1332          69    77    63    74    79    74
## 1333          53    73    74    80    77    77
## 1334          77    49    54    43    68    62
## 1335          70    59    74    75    76    71
## 1336          33    54    72    51    62    55
## 1337          70    52    74    75    72    72
## 1338          40    67    72    68    71    62
## 1339          16    16    39    15    33    32
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## 1341          78    59    65    63    69    65
## 1342          32    72    73    74    73    61
## 1343          68    74    67    71    81    74
## 1344          36    69    71    70    74    60
## 1345          77    39    71    30    67    69
## 1346          43    67    73    63    62    56
## 1347          73    70    71    75    78    64
## 1348          58    79    69    73    80    72
## 1349          11    33    28    17    21    39
## 1350          63    55    68    77    75    72
## 1351          82    71    70    56    65    72
## 1352          77    55    55    73    71    55
## 1353          74    62    62    53    62    65
## 1354          58    74    73    80    71    75
## 1355          74    41    60    38    63    59
## 1356          29    65    73    55    71    42
## 1357          73    72    74    59    78    77
## 1358          27    77    46    80    73    75
## 1359          75    67    72    74    74    62
## 1360          77    65    76    45    75    69
## 1361          64    76    70    74    79    74
## 1362          37    72    65    70    72    69
## 1363          39    76    66    71    72    73
## 1364          71    82    85    68    80    71
## 1365          74    75    81    68    79    77
## 1366          78    70    68    55    80    77
## 1367          54    76    71    73    75    74
## 1368          74    50    69    39    74    71
## 1369          42    74    63    75    74    67
## 1370          16    42    36    14    23    17
## 1371          45    75    67    77    73    75
## 1372          75    52    67    61    68    68
## 1373          78    50    71    42    71    72
## 1374          35    61    74    41    67    34
## 1375          72    80    84    76    80    82
## 1376          70    46    58    48    60    53
```

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## 1378          35    57    74    70    73    63
## 1379          77    74    59    52    78    76
## 1380          42    71    59    76    74    70
## 1381          76    52    64    30    70    60
## 1382          82    69    77    53    77    60
## 1383          65    73    80    74    80    75
## 1384          35    70    70    70    74    60
## 1385          15    36    63     9    22    19
## 1386          20    48    70    50    64    46
## 1387          63    73    74    75    74    73
## 1388          40    71    78    52    70    60
## 1389          31    76    72    73    75    67
## 1390          52    68    71    71    72    69
## 1391          42    82    58    76    81    77
## 1392          30    69    70    62    69    69
## 1393          22    38    37    12    15    26
## 1394          20    72    83    37    71    67
## 1395          63    77    77    70    80    74
## 1396          63    80    73    74    79    79
## 1397          76    45    60    56    63    61
## 1398          76    46    71    42    68    56
## 1399          76    46    67    70    64    66
## 1400          76    52    69    29    59    59
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## 1403          81    63    73    46    73    72
## 1404          10    34    22    18    31    31
## 1405          29    59    69    69    69    58
## 1406          37    56    69    58    62    52
## 1407          67    64    65    77    72    70
## 1408          76    70    71    67    76    73
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## 1411          78    61    74    67    72    56
## 1412          77    67    67    54    77    78
## 1413          75    64    74    81    77    74
## 1414          35    72    75    70    75    71
## 1415          20    72    71    76    71    42
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## 1417          74    63    65    72    71    68
## 1418          35    70    65    68    70    66
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## 1421          78    66    83    68    73    71
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## 1425          72    53    60    47    63    49
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## 1428          64    76    78    65    78    65
## 1429          83    57    83    59    72    70
## 1430          73    71    70    72    78    78
```

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## 1431          74    36    64    47    60    57
## 1432          17    32    58    19    29    26
## 1433          71    68    72    80    72    68
## 1434          73    64    74    76    74    70
## 1435          72    78    78    71    78    76
## 1436          22    50    63    11    33    35
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## 1438          22    71    75    75    75    74
## 1439          50    63    61    76    75    72
## 1440          22    55    65    49    64    43
## 1441          75    31    66    43    60    64
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## 1458          74    65    69    53    66    64
## 1459          70    75    74    65    82    77
## 1460          20    76    69    50    77    54
## 1461          74    48    61    78    75    72
## 1462          24    66    70    74    74    54
## 1463          40    63    74    48    63    60
## 1464          75    45    64    60    60    50
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## 1466          20    74    76    74    76    68
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## 1468          37    77    73    74    73    65
## 1469          38    68    76    74    76    64
## 1470          22    58    43    13    18    13
## 1471          23    58    74    50    69    40
## 1472          32    58    82    56    63    49
## 1473          18    73    69    69    74    68
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## 1479          75    34    55    11    54    42
## 1480          57    72    72    72    75    71
## 1481          24    67    75    58    69    55
## 1482          70    75    75    69    77    77
## 1483          76    44    68    47    68    65
## 1484          75    64    60    76    77    68
```

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## 1485          35    73    62    61    68    54
## 1486          26    75    70    60    71    63
## 1487          20    25    48    14    35    28
## 1488          78    40    65    49    69    51
## 1489          78    67    76    78    76    73
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## 1491          26    67    74    74    71    65
## 1492          25    78    67    73    77    66
## 1493          68    75    62    69    78    69
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## 1495          79    65    73    58    74    72
## 1496          79    60    70    69    63    60
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## 1498          73    67    63    59    76    76
## 1499          35    74    68    72    72    59
## 1500          39    72    75    68    74    69
## 1501          44    69    76    77    77    67
## 1502          73    59    64    71    73    65
## 1503          74    55    75    80    76    69
## 1504          83    62    72    45    74    68
## 1505          54    75    69    74    74    67
## 1506          74    59    77    74    75    71
## 1507          75    74    67    68    78    73
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## 1509          32    72    70    39    70    59
## 1510          48    73    75    67    74    68
## 1511          59    82    77    76    78    73
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## 1513          65    77    80    74    81    77
## 1514          40    73    77    76    72    58
## 1515          32    71    59    60    73    55
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## 1518          76    58    59    80    68    80
## 1519          70    80    73    76    82    82
## 1520          22    41    47    20    28    23
## 1521          20    49    30    14    30    34
## 1522          73    40    70    52    63    53
## 1523          72    63    75    76    70    70
## 1524          73    39    57    45    73    71
## 1525          74    69    66    77    69    70
## 1526          75    49    70    78    70    66
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## 1529          79    26    66    66    66    63
## 1530          38    76    73    81    78    80
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## 1532          75    69    67    76    74    71
## 1533          16    40    54    20    23    26
## 1534          34    73    73    73    76    72
## 1535          23    30    52    19    28    18
## 1536          29    71    76    76    75    70
## 1537          75    77    77    70    78    74
## 1538          29    77    76    71    74    69
```

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## 1540          24    42    53    13    22    32
## 1541          59    82    72    73    76    75
## 1542          71    75    75    78    74    70
## 1543          12    69    66    12    48    49
## 1544          77    47    63    44    68    65
## 1545          59    74    74    83    78    73
## 1546          77    48    73    49    67    63
## 1547          68    84    85    62    85    84
## 1548          79    49    74    78    64    66
## 1549          70    77    60    72    85    82
## 1550          73    80    66    73    82    81
## 1551          75    59    72    51    65    64
## 1552          78    76    80    71    80    76
## 1553          42    69    80    62    70    64
## 1554          79    68    71    59    75    70
## 1555          55    74    77    77    77    69
## 1556          75    78    83    76    80    76
## 1557          34    69    76    66    74    62
## 1558          23    43    67    17    33    33
## 1559          60    81    74    82    81    81
## 1560          21    37    56    11    16    23
## 1561          82    71    80    80    70    71
## 1562          22    27    29    12    22    24
## 1563          60    80    83    78    77    78
## 1564          48    76    71    77    76    74
## 1565          14    23    42    13    35    33
## 1566          35    81    70    73    78    73
## 1567          22    47    48    19    29    20
## 1568          45    76    81    78    69    64
## 1569          51    61    71    78    70    72
## 1570          26    41    53    17    35    40
## 1571          76    31    71    31    60    45
## 1572          80    25    75    20    54    54
## 1573          76    69    73    67    75    74
## 1574          28    73    68    70    78    74
## 1575          84    68    83    72    82    79
## 1576          26    58    65    49    58    37
## 1577          14    54    65    14    32    35
## 1578          82    46    76    34    56    64
## 1579          20    58    78    50    65    40
## 1580          68    83    78    76    80    76
## 1581          82    78    80    82    78    85
## 1582          72    48    74    57    75    63
## 1583          72    58    72    73    75    74
## 1584          77    44    65    48    67    65
## 1585          24    62    80    55    68    45
## 1586          73    57    70    41    70    65
## 1587          55    79    80    67    78    73
## 1588          76    52    65    49    53    51
## 1589          25    40    65    12    25    34
## 1590          65    82    76    79    82    83
## 1591          39    74    69    74    73    72
## 1592          77    74    74    66    79    74
```

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## 1593          62    81    85    77    79    75
## 1594          25    43    17    11    31    23
## 1595          85    31    76    51    59    59
## 1596          81    55    66    60    70    61
## 1597          75    54    63    38    59    65
## 1598          25    67    72    24    39    39
## 1599          85    25    75    28    56    64
## 1600          26    41    63    18    39    37
## 1601          80    50    69    39    62    68
## 1602          69    80    48    69    77    76
## 1603          38    70    68    72    67    56
## 1604          74    29    59    53    67    58
## 1605          73    42    45    71    69    56
## 1606          75    32    45    35    68    65
## 1607          36    75    58    64    75    56
## 1608          77    66    75    64    76    73
## 1609          75    36    70    56    66    76
## 1610          40    69    83    66    74    58
## 1611          20    64    73    42    65    56
## 1612          38    77    67    63    76    58
## 1613          52    77    71    73    75    76
## 1614          45    76    71    74    77    73
## 1615          72    56    73    62    76    71
## 1616          71    43    44    55    61    62
## 1617          76    58    76    70    74    77
## 1618          73    71    72    72    73    71
## 1619          62    73    80    75    75    72
## 1620          31    71    67     9    23    22
## 1621          41    76    60    66    74    71
## 1622          31    76    76    62    73    63
## 1623          76    77    67    50    70    75
## 1624          68    72    76    52    74    72
## 1625          72    44    57    62    64    61
## 1626          66    51    64    53    71    57
## 1627          66    42    71    54    73    43
## 1628          71    56    62    72    77    74
## 1629          75    63    68    77    75    72
## 1630          15    58    61    12    20    20
## 1631          30    64    72    69    71    58
## 1632          66    68    72    66    72    62
## 1633          26    68    67    70    75    59
## 1634          68    73    64    71    76    68
## 1635          21    68    74    42    68    54
## 1636          69    63    74    77    77    66
## 1637          30    65    60    63    73    59
## 1638          74    70    68    61    76    72
## 1639          62    73    70    70    77    73
## 1640          68    75    78    64    76    73
## 1641          77    31    72    30    65    46
## 1642          74    69    69    63    76    72
## 1643          77    52    55    53    73    66
## 1644          73    73    66    59    81    78
## 1645          67    73    72    67    76    73
## 1646          75    74    68    72    80    78
```

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## 1647          19    66    55    62    76    66
## 1648          74    73    75    67    79    76
## 1649          81    58    63    61    75    67
## 1650          76    49    68    70    69    61
## 1651          71    73    73    68    78    74
## 1652          69    62    70    77    73    66
## 1653          73    75    73    65    77    78
## 1654          76    71    64    58    76    68
## 1655          46    74    69    69    75    63
## 1656          62    74    74    74    78    76
## 1657          74    39    64    56    65    62
## 1658          29    66    74    71    71    67
## 1659          20    68    55    64    76    64
## 1660          24    29    55    15    22    19
## 1661          35    65    72    63    68    61
## 1662          33    61    73    65    61    56
## 1663          25    43    22    30    32    32
## 1664          75    32    74    36    74    69
## 1665          72    63    64    76    70    57
## 1666          19    48    53    47    62    39
## 1667          13    59    53    60    73    52
## 1668          15    78    65    63    76    67
## 1669          76    62    58    76    72    70
## 1670          42    70    61    76    70    66
## 1671          75    68    66    77    71    59
## 1672          80    67    70    49    74    70
## 1673          34    70    73    66    72    65
## 1674          71    58    71    77    68    52
## 1675          34    69    49    75    77    63
## 1676          79    72    75    60    72    70
## 1677          76    30    68    30    56    60
## 1678          75    58    64    56    78    76
## 1679          67    72    70    62    76    72
## 1680          71    69    67    78    68    59
## 1681          76    39    69    67    69    60
## 1682          27    65    70    66    69    48
## 1683          14    65    76    29    64    43
## 1684          14    71    71    68    66    62
## 1685          64    75    74    79    76    73
## 1686          77    53    56    56    67    64
## 1687          68    29    74    35    73    73
## 1688          42    60    76    55    67    60
## 1689          44    78    61    71    73    72
## 1690          71    30    70    34    57    32
## 1691          71    53    57    68    70    65
## 1692          72    59    73    55    65    66
## 1693          21    65    72    71    68    66
## 1694          85    37    62    55    60    59
## 1695          42    72    68    65    72    65
## 1696          74    66    63    69    76    71
## 1697          74    74    69    66    76    74
## 1698          23    62    63    49    63    53
## 1699          32    68    73    42    70    59
## 1700          21    58    68    72    68    64
```

```
## 1701          77    66    75    57    76    83
## 1702          75    64    68    76    69    69
## 1703          66    71    75    75    71    68
## 1704          40    71    64    68    74    68
## 1705          67    71    83    70    79    74
## 1706          72    49    67    40    70    60
## 1707          23    50    22    16    23    24
## 1708          77    73    71    59    78    73
## 1709          71    73    60    70    78    75
## 1710          20    70    74    76    64    61
## 1711          22    33    30    18    35    29
## 1712          33    74    59    69    73    66
## 1713          71    62    59    72    65    64
## 1714          19    69    42    70    73    70
## 1715          74    58    65    72    68    60
## 1716          44    70    59    70    72    65
## 1717          73    76    51    73    80    75
## 1718          79    49    68    30    68    70
## 1719          83    65    77    55    79    68
## 1720          34    69    61    67    70    69
## 1721          18    65    71    65    67    53
## 1722          76    53    68    64    75    72
## 1723          27    23    39    19    39    36
## 1724          77    45    62    33    67    67
## 1725          35    63    68    56    64    35
## 1726          50    74    65    63    77    75
## 1727          35    67    75    66    74    59
## 1728          74    42    59    41    64    63
## 1729          70    37    59    36    57    62
## 1730          72    52    45    37    73    62
## 1731          25    73    73    69    72    64
## 1732          62    79    78    64    77    73
## 1733          75    63    53    74    71    63
## 1734          73    36    77    37    67    64
## 1735          69    67    70    60    75    76
## 1736          74    63    63    55    73    70
## 1737          13    65    30    13    25    22
## 1738          72    54    68    70    73    65
## 1739          14    40    55    12    26    27
## 1740          25    62    62    46    69    39
## 1741          35    34    76    59    62    52
## 1742          35    70    57    67    75    65
## 1743          34    73    73    64    79    62
## 1744          74    68    71    67    74    76
## 1745          78    43    67    35    59    63
## 1746          77    46    69    68    65    66
## 1747          77    40    55    35    58    41
## 1748          63    67    64    70    67    61
## 1749          35    72    75    65    68    51
## 1750          13    45    52    12    34    35
## 1751          37    69    68    60    75    69
## 1752          65    74    68    83    74    70
## 1753          58    62    68    76    73    70
## 1754          39    73    71    65    74    70
```

```
## 1755          62    81    75    64    82    66
## 1756          71    74    74    66    75    74
## 1757          26    67    68    57    64    50
## 1758          74    64    65    65    75    80
## 1759          76    72    65    67    76    76
## 1760          26    68    70    64    68    66
## 1761          37    70    69    65    67    60
## 1762          70    76    67    72    78    76
## 1763          76    70    65    72    74    69
## 1764          29    76    66    75    79    75
## 1765          74    48    51    77    66    61
## 1766          40    38    65    64    66    62
## 1767          77    71    72    65    75    72
## 1768          75    70    68    67    77    75
## 1769          77    31    64    41    56    51
## 1770          32    68    61    72    74    69
## 1771          26    60    69    62    70    51
## 1772          35    74    68    68    78    74
## 1773          77    48    69    69    62    61
## 1774          63    74    76    66    77    72
## 1775          22    76    72    62    70    67
## 1776          74    69    59    68    77    76
## 1777          78    34    72    66    58    56
## 1778          75    47    60    77    70    58
## 1779          12    39    46    14    18    32
## 1780          78    45    67    27    66    65
## 1781          75    57    70    62    72    67
## 1782          72    64    78    42    65    68
## 1783          72    72    76    69    76    78
## 1784          13    45    46    16    32    30
## 1785          74    60    74    75    71    61
## 1786          76    70    72    37    78    71
## 1787          19    42    74    39    65    35
## 1788          68    50    66    73    75    63
## 1789          41    70    67    35    61    34
## 1790          74    55    72    75    66    62
## 1791          68    34    48    47    67    65
## 1792          72    74    74    66    78    74
## 1793          22    72    62    71    69    63
## 1794          68    41    64    49    58    61
## 1795          71    60    71    69    68    66
## 1796          29    56    76    45    65    33
## 1797          52    69    64    71    69    64
## 1798          57    77    73    76    78    75
## 1799          71    59    57    69    73    61
## 1800          23    72    70    64    72    52
## 1801          77    40    61    57    70    58
## 1802          71    59    64    74    66    61
## 1803          75    51    71    67    70    71
## 1804          35    70    68    70    68    62
## 1805          68    71    69    78    72    68
## 1806          22    36    32    15    35    26
## 1807          74    62    75    59    71    77
## 1808          29    73    73    65    72    61
```

```
## 1809          72    66    74    75    67    64
## 1810          23    63    70    67    68    52
## 1811          38    75    71    66    75    68
## 1812          54    73    68    70    76    76
## 1813          75    43    77    45    66    65
## 1814          56    72    61    73    75    73
## 1815          74    50    71    66    67    69
## 1816          77    69    73    62    75    72
## 1817          35    74    65    66    68    64
## 1818          72    67    68    75    67    59
## 1819          72    35    74    40    68    60
## 1820          60    73    73    71    73    75
## 1821          48    74    73    78    76    74
## 1822          74    70    71    68    77    74
## 1823          74    70    73    69    76    72
## 1824          35    69    67    70    68    58
## 1825          29    58    67    31    62    37
## 1826          13    49    50    18    32    40
## 1827          76    73    71    75    76    75
## 1828          80    67    69    53    74    72
## 1829          69    74    65    58    74    67
## 1830          69    50    65    23    63    52
## 1831          74    67    74    71    74    73
## 1832          31    77    75    42    76    49
## 1833          74    65    70    75    74    73
## 1834          34    73    72    72    74    70
## 1835          69    67    72    78    77    68
## 1836          73    51    75    66    66    66
## 1837          73    69    70    72    74    69
## 1838          69    69    66    75    72    68
## 1839          37    69    63    71    75    70
## 1840          68    75    71    70    82    75
## 1841          21    50    68    60    67    51
## 1842          30    63    65    68    72    65
## 1843          78    74    61    64    73    65
## 1844          68    62    64    77    74    62
## 1845          69    79    72    64    80    77
## 1846          30    55    67    27    64    49
## 1847          48    70    44    73    70    63
## 1848          40    68    35    75    73    72
## 1849          76    53    67    39    74    80
## 1850          73    66    73    71    71    70
## 1851          32    66    71    58    69    57
## 1852          58    69    67    66    74    67
## 1853          30    49    58    20    41    32
## 1854          68    70    72    76    75    76
## 1855          49    73    61    69    72    64
## 1856          79    44    70    46    65    63
## 1857          76    73    79    65    78    75
## 1858          65    59    65    76    70    66
## 1859          30    68    72    70    69    61
## 1860          71    78    73    70    78    79
## 1861          70    75    72    77    75    74
## 1862          76    41    67    47    72    70
```

```
## 1863              14     74        78       73         73        59
## 1864              24     57        74       46         65        47
## 1865              78     72        73       70         76        75
## 1866              54     72        66       75         72        70
## 1867              69     69        65       74         74        69
## 1868              22     67        63       73         71        63
## 1869              75     47        72       69         69        64
## 1870              28     68        63       77         66        65
## 1871              71     66        68       77         72        73
## 1872              18     75        76       72         74        68
## 1873              59     77        74       74         79        80
## 1874              21     21        33       19         27        22
## 1875              76     48        66       32         60        65
## 1876              74     77        80       80         76        77
## 1877              74     70        73       69         79        72
## 1878              43     75        76       73         73        75
## 1879              73     59        69       71         73        66
## 1880              48     62        74       48         66        55
## 1881              70     74        70       61         79        78
## 1882              77     68        73       73         70        69
## 1883              72     59        68       74         74        68
## 1884              67     64        65       62         73        74
## 1885              72     49        73       54         69        61
## 1886              21     74        78       76         72        71
##       Acceleration Speed Stamina Strength Balance Agility Jumping Heading
## 1               91    92      92       80      63      90      95      85
## 2               92    87      74       59      95      90      68      71
## 3               93    90      79       49      82      96      61      62
## 4               88    77      89       76      60      86      69      77
## 5               58    61      44       83      35      52      78      25
## 6               56    56      25       64      43      57      67      21
## 7               79    82      79       84      79      78      84      85
## 8               93    95      78       80      65      77      85      86
## 9               69    74      75       93      41      86      72      80
## 10              46    52      38       70      45      61      68      13
## 11              74    81      75       91      54      58      75      86
## 12              93    87      77       65      90      92      59      57
## 13              77    71      83       58      94      93      67      55
## 14              77    68      68       56      70      84      52      54
## 15              79    81      73       85      69      75      77      80
## 16              72    76      74       81      68      75      93      82
## 17              77    78      84       81      60      80      92      90
## 18              92    86      74       73      90      86      80      68
## 19              75    79      91       91      61      79      85      73
## 20              87    86      75       61      80      90      87      80
## 21              76    78      85       73      75      78      65      53
## 22              89    91      73       67      82      87      72      51
## 23              88    84      85       72      87      90      85      70
## 24              55    37      78       74      62      70      34      54
## 25              62    67      69       80      58      63      89      92
## 26              62    65      66       85      58      64      68      90
## 27              65    63      41       43      54      55      74      10
## 28              69    79      69       91      65      59      89      80
## 29              68    67      79       59      93      82      72      63
```

```
## 30          65   75   64   84   49   63   76   82
## 31          42   50   32   65   34   49   51   19
## 32          49   43   39   69   49   55   75   13
## 33          74   73   64   59   86   82   54   54
## 34          43   60   41   78   49   67   76   15
## 35          77   75   68   70   73   82   54   62
## 36          95   96   79   77   69   80   77   79
## 37          65   75   73   85   55   61   85   84
## 38          77   74   93   79   77   75   82   81
## 39          67   65   76   63   66   71   51   58
## 40          72   65   68   56   88   92   66   54
## 41          54   57   41   71   36   42   78   10
## 42          56   73   69   83   44   58   74   83
## 43          87   86   68   65   91   89   61   51
## 44          91   86   81   65   85   91   75   68
## 45          72   64   77   56   94   87   64   55
## 46          86   86   87   69   77   82   82   75
## 47          86   84   85   63   83   88   72   53
## 48          46   52   43   68   44   52   73   13
## 49          76   79   90   67   72   77   81   82
## 50          53   33   88   77   55   58   66   68
## 51          77   68   74   59   85   90   75   58
## 52          93   93   90   66   86   90   81   63
## 53          89   77   79   61   91   91   59   47
## 54          86   86   78   64   79   90   72   53
## 55          76   78   85   91   52   58   64   82
## 56          76   79   90   74   59   82   88   88
## 57          81   78   94   78   84   81   76   59
## 58          77   80   82   77   82   77   77   70
## 59          79   79   83   71   79   81   67   68
## 60          68   76   65   81   58   62   82   84
## 61          79   82   74   78   60   77   70   78
## 62          65   62   80   64   77   65   68   74
## 63          85   79   64   60   91   88   50   41
## 64          75   65   72   59   91   85   70   58
## 65          69   79   69   87   65   59   85   76
## 66          69   77   84   84   62   74   70   83
## 67          84   87   80   79   84   87   78   76
## 68          54   53   39   75   61   60   74   11
## 69          81   89   80   93   48   62   71   83
## 70          78   74   88   52   81   77   57   52
## 71          77   74   73   74   83   85   62   49
## 72          63   69   75   81   49   60   83   83
## 73          92   86   86   61   82   87   46   29
## 74          75   75   79   65   79   79   61   60
## 75          75   63   74   43   89   89   72   63
## 76          49   53   62   84   58   54   77   86
## 77          79   75   73   76   81   80   48   59
## 78          93   87   76   42   92   94   60   35
## 79          73   83   74   86   67   63   84   84
## 80          75   77   83   69   63   76   72   74
## 81          79   79   94   78   79   77   83   73
## 82          45   50   37   76   55   51   72   12
## 83          78   80   77   76   62   70   86   84
```

```
## 84          77   83   91   74   60   74   62   68
## 85          68   69   68   87   42   60   73   84
## 86          68   71   73   84   55   49   77   85
## 87          87   89   74   59   71   91   68   53
## 88          78   85   84   75   79   82   76   65
## 89          86   79   77   57   82   92   59   45
## 90          80   83   70   84   47   58   79   83
## 91          78   80   72   76   76   75   90   84
## 92          94   86   77   44   93   96   55   56
## 93          76   69   71   59   82   83   64   55
## 94          74   69   82   75   78   77   61   61
## 95          79   80   79   84   60   69   86   80
## 96          51   54   32   80   37   42   75   13
## 97          68   75   78   81   62   71   90   85
## 98          67   73   74   81   69   66   85   81
## 99          66   68   90   90   53   57   71   77
## 100         83   89   93   79   79   79   79   72
## 101         56   63   69   88   55   33   79   84
## 102         96   88   77   62   90   91   61   58
## 103         66   69   79   84   68   66   55   68
## 104         85   80   71   50   81   87   68   54
## 105         52   52   76   77   59   53   66   61
## 106         83   87   86   77   67   78   82   78
## 107         72   73   77   77   56   74   82   82
## 108         63   69   79   91   55   59   69   76
## 109         63   67   69   81   61   65   82   83
## 110         38   47   32   79   36   39   72   14
## 111         59   54   43   73   58   62   73   13
## 112         75   69   69   67   86   86   59   45
## 113         69   69   69   89   55   59   83   85
## 114         53   43   31   61   36   52   74   13
## 115         79   83   75   55   87   85   79   72
## 116         78   68   74   70   77   86   79   70
## 117         67   65   86   74   78   71   75   68
## 118         69   71   66   82   57   53   93   94
## 119         69   78   80   91   55   60   65   74
## 120         79   83   81   84   65   76   86   79
## 121         68   72   70   83   51   57   90   79
## 122         83   81   94   76   90   80   79   54
## 123         54   48   42   73   50   58   68   12
## 124         75   77   88   69   70   81   63   55
## 125         72   66   77   85   64   68   58   69
## 126         73   74   75   74   68   68   84   80
## 127         83   83   74   76   75   78   77   76
## 128         52   53   84   88   54   45   68   72
## 129         91   90   76   68   78   87   75   48
## 130         94   92   75   64   91   90   60   38
## 131         77   77   69   67   75   82   76   65
## 132         79   79   86   76   81   82   81   73
## 133         74   74   81   83   63   73   86   85
## 134         69   78   75   93   48   53   78   78
## 135         67   69   89   89   60   58   67   77
## 136         45   51   31   67   31   50   64   14
## 137         59   62   85   82   57   66   87   74
```

```
## 138          83   81   82   81   63   75   70   65
## 139          60   64   33   65   62   65   85   16
## 140          57   56   30   52   30   70   75   12
## 141          67   77   75   80   50   58   65   88
## 142          91   93   83   59   83   91   75   58
## 143          86   80   72   59   77   88   68   78
## 144          38   50   35   79   43   37   82   11
## 145          73   68   60   67   84   86   62   49
## 146          78   68   85   65   84   85   63   60
## 147          72   75   68   64   58   85   49   63
## 148          76   77   79   87   48   60   75   85
## 149          86   80   80   56   82   84   67   55
## 150          81   81   88   69   77   79   69   58
## 151          44   52   36   74   52   51   74   17
## 152          78   77   76   36   80   86   66   54
## 153          56   62   86   90   31   43   69   79
## 154          69   69   90   69   75   77   65   58
## 155          75   70   72   81   59   73   83   81
## 156          75   77   68   78   61   65   82   83
## 157          89   90   92   56   81   85   73   65
## 158          64   65   89   62   67   73   56   61
## 159          79   79   88   74   73   75   75   73
## 160          90   86   75   48   93   93   53   37
## 161          75   79   68   86   61   68   84   86
## 162          69   75   87   87   55   69   85   90
## 163          76   74   89   67   76   83   73   67
## 164          60   58   79   88   52   59   82   88
## 165          53   57   45   77   54   61   79   11
## 166          48   54   45   68   58   55   69   10
## 167          72   70   73   61   67   82   69   81
## 168          88   86   75   64   77   82   84   67
## 169          58   54   44   70   64   64   81   18
## 170          75   80   79   79   67   67   76   74
## 171          69   66   79   81   55   62   80   82
## 172          52   58   36   80   41   53   38   12
## 173          67   73   62   83   42   53   43   93
## 174          80   82   70   71   64   78   74   73
## 175          55   54   69   83   56   62   73   77
## 176          50   54   75   85   38   57   71   85
## 177          79   78   75   62   92   85   50   42
## 178          69   66   68   78   51   62   82   86
## 179          68   72   73   86   59   58   86   79
## 180          76   75   86   69   85   75   72   74
## 181          62   60   35   62   47   62   60   16
## 182          76   68   76   66   82   80   68   60
## 183          79   77   71   75   79   85   76   65
## 184          59   60   28   61   32   50   72   10
## 185          78   87   89   74   62   75   68   55
## 186          72   73   63   57   85   83   27   32
## 187          86   79   75   62   77   92   46   46
## 188          79   83   88   75   79   75   75   72
## 189          69   73   84   84   77   77   81   76
## 190          69   69   79   84   72   69   78   81
## 191          50   63   34   72   60   50   73   13
```

```
## 192          85   83   68   54   84   89   63   41
## 193          81   78   74   62   76   79   58   50
## 194          82   77   80   54   83   85   53   51
## 195          69   76   91   85   57   66   87   92
## 196          65   78   60   91   34   48   71   80
## 197          92   91   80   80   85   85   80   70
## 198          77   76   88   70   58   74   65   70
## 199          64   62   38   69   40   50   50   14
## 200          92   92   77   60   84   86   70   59
## 201          94   92   83   72   85   88   75   53
## 202          86   81   88   56   79   82   67   51
## 203          62   67   74   78   48   71   54   68
## 204          75   73   81   63   71   79   83   76
## 205          74   75   80   76   66   68   87   72
## 206          60   65   62   77   54   60   85   81
## 207          79   78   92   70   89   77   77   32
## 208          51   50   36   55   43   51   74   14
## 209          86   84   92   68   84   87   74   70
## 210          74   76   72   92   51   57   81   76
## 211          51   45   35   59   55   55   61   12
## 212          80   86   68   82   56   62   79   75
## 213          95   91   69   56   85   93   71   50
## 214          89   88   66   58   78   81   66   49
## 215          65   64   69   84   41   33   68   77
## 216          79   76   74   62   81   84   63   45
## 217          48   54   79   76   62   55   40   62
## 218          69   69   69   78   60   62   71   76
## 219          87   77   79   67   84   89   69   41
## 220          83   76   86   61   86   85   67   45
## 221          84   85   87   84   78   76   93   77
## 222          65   71   77   92   52   59   75   83
## 223          86   75   88   47   81   91   67   34
## 224          61   58   70   85   41   54   82   77
## 225          77   76   88   78   92   78   92   68
## 226          80   77   88   76   83   75   85   69
## 227          57   62   75   85   58   56   78   77
## 228          73   74   76   73   73   75   75   68
## 229          89   84   78   73   94   87   63   37
## 230          79   85   73   76   63   77   78   75
## 231          86   86   87   71   76   84   67   66
## 232          54   54   79   88   38   54   68   81
## 233          78   73   82   66   87   83   67   58
## 234          83   66   80   39   92   92   66   44
## 235          45   52   45   73   37   42   75   11
## 236          93   91   70   62   83   89   62   58
## 237          87   93   90   77   73   70   83   74
## 238          85   82   80   62   84   92   68   53
## 239          68   67   81   80   62   66   75   75
## 240          83   79   74   72   85   85   61   59
## 241          67   69   83   67   62   72   70   60
## 242          86   75   75   50   87   93   72   46
## 243          78   78   79   85   57   76   68   72
## 244          76   73   93   76   71   74   81   65
## 245          44   34   33   66   49   45   64   24
```

```
## 246          55    68    72    90    55    61    82    71
## 247          54    63    63    90    50    57    76    79
## 248          60    62    45    68    62    68    84    12
## 249          49    65    80    84    46    57    80    83
## 250          68    65    72    82    42    58    66    80
## 251          79    79    90    73    74    77    72    67
## 252          86    79    75    58    84    81    85    82
## 253          65    55    80    70    74    70    59    47
## 254          66    69    88    76    66    65    77    78
## 255          67    74    85    79    60    82    72    77
## 256          69    66    90    77    71    73    72    71
## 257          87    86    76    61    74    83    73    64
## 258          87    83    70    68    79    86    69    64
## 259          30    33    29    58    32    35    66    13
## 260          87    85    89    85    87    74    68    64
## 261          76    72    78    65    83    83    75    52
## 262          75    68    68    73    75    85    92    90
## 263          55    54    43    67    57    69    79    20
## 264          48    34    31    51    40    57    80    10
## 265          75    67    85    64    84    81    77    68
## 266          78    77    82    90    71    83    77    68
## 267          70    69    71    66    78    76    58    50
## 268          67    72    79    79    73    65    84    80
## 269          74    69    80    72    78    76    62    54
## 270          49    53    28    65    45    38    49    15
## 271          60    62    62    82    56    55    77    77
## 272          68    75    69    86    55    64    76    83
## 273          62    65    83    69    73    73    60    51
## 274          34    52    42    66    47    48    68    10
## 275          77    72    76    63    83    84    71    63
## 276          94    86    78    48    94    92    70    36
## 277          68    68    66    80    60    64    86    86
## 278          50    54    35    71    59    60    80    10
## 279          67    69    55    70    64    69    55    52
## 280          77    77    82    73    79    79    72    55
## 281          75    72    73    66    75    76    67    66
## 282          39    45    34    71    53    58    80    11
## 283          26    28    61    87    28    29    32    86
## 284          79    73    69    69    87    79    89    80
## 285          32    33    62    69    66    53    46    72
## 286          53    52    69    66    63    58    72    73
## 287          47    33    55    59    64    44    33    39
## 288          59    57    43    70    46    62    77    25
## 289          93    91    73    47    78    87    59    43
## 290          74    75    86    79    73    74    89    82
## 291          75    75    83    62    75    75    69    62
## 292          83    83    82    62    72    83    54    48
## 293          51    68    65    93    33    33    38    80
## 294          85    85    80    65    73    87    66    62
## 295          77    77    79    76    69    83    75    69
## 296          87    87    61    45    79    84    64    43
## 297          73    70    79    77    53    76    76    75
## 298          77    84    84    68    72    76    67    73
## 299          86    91    81    61    78    87    82    60
```

```
## 300          80    82    84    85    75    79    83    81
## 301          76    77    84    76    68    71    61    73
## 302          86    78    78    65    70    77    62    42
## 303          50    53    31    67    61    62    63    11
## 304          85    90    73    66    78    83    59    55
## 305          77    77    83    58    74    82    61    56
## 306          84    78    72    62    72    82    64    69
## 307          81    84    65    82    78    84    81    73
## 308          71    72    74    78    64    67    89    76
## 309          82    81    78    50    84    86    55    50
## 310          89    92    76    59    77    93    72    40
## 311          94    91    79    55    88    90    49    44
## 312          54    50    40    67    50    48    71    12
## 313          86    84    77    57    86    91    85    74
## 314          78    78    74    73    75    74    65    68
## 315          80    80    74    79    59    70    63    65
## 316          87    88    74    80    69    81    78    71
## 317          78    76    65    68    69    69    86    78
## 318          87    86    82    66    78    79    72    63
## 319          81    81    83    64    75    82    65    60
## 320          81    84    88    79    60    69    73    64
## 321          86    80    62    45    55    90    69    69
## 322          37    44    34    55    39    43    69    11
## 323          65    58    86    73    75    73    71    71
## 324          85    91    93    74    74    77    78    59
## 325          69    75    78    94    72    67    86    84
## 326          58    61    70    80    45    53    52    78
## 327          56    55    76    72    68    69    56    63
## 328          76    77    68    91    48    72    72    88
## 329          57    60    72    77    68    59    91    80
## 330          54    66    84    87    35    37    55    92
## 331          75    69    91    78    71    66    66    63
## 332          64    59    84    78    63    71    85    83
## 333          76    78    92    69    64    70    88    80
## 334          78    75    90    65    72    71    74    67
## 335          84    90    93    68    76    80    85    69
## 336          73    68    82    70    78    71    73    67
## 337          76    78    60    85    50    69    75    66
## 338          50    40    38    61    46    55    38    16
## 339          69    78    79    78    58    69    68    80
## 340          44    54    80    79    55    46    77    82
## 341          75    79    77    90    48    74    82    86
## 342          69    76    88    79    71    69    77    75
## 343          52    53    86    83    56    56    73    73
## 344          79    83    75    75    79    81    93    76
## 345          79    85    87    70    80    82    82    74
## 346          33    32    69    89    33    29    44    88
## 347          60    69    78    83    58    48    62    82
## 348          87    86    73    74    65    77    89    80
## 349          82    83    86    67    77    78    75    66
## 350          55    55    35    77    51    55    71    23
## 351          82    82    87    63    78    81    74    67
## 352          64    67    87    76    62    62    75    75
## 353          85    82    73    35    93    91    60    50
```

```
## 354          79   75   67   45   84   83   48   42
## 355          67   71   79   73   75   75   59   59
## 356          79   81   86   73   76   75   40   55
## 357          67   69   69   80   54   58   80   77
## 358          55   61   61   82   63   65   73   88
## 359          87   86   68   45   90   89   65   61
## 360          81   77   82   57   71   78   64   71
## 361          54   54   79   88   57   62   72   84
## 362          81   84   83   72   76   73   71   60
## 363          66   69   71   78   66   66   49   57
## 364          54   68   75   85   52   52   75   83
## 365          92   93   75   62   79   83   66   58
## 366          75   74   84   81   76   68   84   79
## 367          53   55   63   82   64   54   65   83
## 368          76   74   69   68   83   77   76   76
## 369          75   72   72   88   60   66   70   80
## 370          79   77   67   77   72   69   65   65
## 371          64   65   65   88   57   67   79   83
## 372          67   68   82   79   66   71   84   76
## 373          69   81   81   72   65   71   67   60
## 374          38   42   31   71   35   39   73   11
## 375          80   77   75   61   77   87   76   73
## 376          67   75   64   90   39   51   67   83
## 377          44   45   40   79   57   65   76   13
## 378          46   34   30   57   49   54   62   12
## 379          40   46   31   70   45   35   59   16
## 380          78   77   73   62   88   83   74   68
## 381          42   41   72   83   50   47   83   79
## 382          76   78   63   76   54   74   75   76
## 383          39   43   35   72   56   69   75   18
## 384          64   64   62   86   56   63   76   85
## 385          83   83   72   56   75   84   70   47
## 386          33   34   63   85   46   44   80   90
## 387          73   75   68   70   74   79   85   73
## 388          54   55   67   76   56   60   76   75
## 389          93   93   80   48   91   94   65   51
## 390          92   91   80   63   82   86   66   72
## 391          74   69   82   62   63   75   64   63
## 392          81   82   76   76   89   86   70   49
## 393          79   78   78   70   86   83   76   60
## 394          92   95   77   84   45   86   84   67
## 395          48   38   37   66   58   55   68   18
## 396          90   92   75   78   77   79   66   58
## 397          63   69   68   86   58   54   68   82
## 398          85   82   75   69   84   83   72   54
## 399          94   93   74   58   86   88   73   52
## 400          44   35   32   78   37   30   52   19
## 401          75   67   80   65   82   83   79   70
## 402          81   83   68   63   74   81   63   42
## 403          86   85   70   40   85   90   34   35
## 404          94   92   79   55   90   93   78   52
## 405          61   67   69   81   55   61   81   77
## 406          84   75   77   52   85   88   64   61
## 407          74   75   85   77   69   72   72   75
```

```
## 408          94    92    90    69    79    77    70    64
## 409          75    72    72    62    66    76    42    53
## 410          79    72    76    63    84    86    53    45
## 411          74    73    81    76    68    75    79    83
## 412          64    74    82    78    57    52    92    82
## 413          71    64    82    78    73    60    71    69
## 414          83    88    78    80    75    80    68    67
## 415          79    81    69    72    67    78    70    79
## 416          76    78    65    81    50    63    72    77
## 417          66    74    65    78    58    64    81    79
## 418          82    80    74    55    76    83    58    44
## 419          69    77    72    85    52    48    86    77
## 420          69    78    64    84    51    60    74    85
## 421          96    94    84    61    77    84    65    60
## 422          86    77    77    59    81    91    64    38
## 423          72    73    88    74    63    67    85    75
## 424          78    79    81    61    77    90    80    79
## 425          90    90    73    74    75    86    49    43
## 426          82    76    80    72    75    75    81    76
## 427          76    74    74    66    81    81    73    55
## 428          76    78    74    78    69    78    86    80
## 429          74    78    75    69    71    72    64    57
## 430          80    83    88    75    67    69    82    66
## 431          74    72    80    77    67    60    81    79
## 432          69    75    69    68    56    70    34    58
## 433          78    77    88    82    84    73    77    69
## 434          79    76    94    76    82    79    69    59
## 435          74    71    74    80    53    71    69    53
## 436          78    79    79    75    74    69    54    61
## 437          89    89    78    72    82    86    50    43
## 438          79    79    69    76    56    74    76    73
## 439          66    73    77    82    58    54    76    78
## 440          87    88    64    56    82    86    69    55
## 441          50    66    77    93    32    31    62    80
## 442          76    75    79    62    83    87    71    50
## 443          69    74    80    75    73    72    74    68
## 444          55    68    80    80    62    43    83    75
## 445          46    44    38    74    48    47    69    15
## 446          53    49    39    63    49    59    79    14
## 447          75    76    90    69    66    78    82    63
## 448          76    78    67    75    73    75    76    58
## 449          77    73    79    63    77    87    74    67
## 450          47    51    32    64    43    45    69    16
## 451          79    83    81    75    55    79    83    73
## 452          79    78    80    69    72    83    65    65
## 453          86    79    74    39    87    90    72    68
## 454          68    67    88    77    65    64    79    78
## 455          54    52    28    80    58    53    59    14
## 456          79    76    82    52    82    84    63    40
## 457          91    90    73    62    84    85    87    67
## 458          86    87    72    55    82    85    60    51
## 459          81    79    78    54    86    85    41    53
## 460          41    46    39    78    31    45    67    18
## 461          68    74    83    85    50    61    79    72
```

```
## 462          69    70    83    76    85    76    80    60
## 463          75    79    85    75    64    67    72    74
## 464          77    76    72    59    75    81    61    45
## 465          36    34    71    67    56    67    33    65
## 466          86    85    74    75    66    75    67    70
## 467          73    73    91    71    66    77    79    75
## 468          81    81    85    75    85    85    79    56
## 469          46    50    32    55    41    43    69    13
## 470          87    85    84    78    64    85    80    75
## 471          68    68    83    74    78    69    56    61
## 472          69    66    77    78    58    64    81    79
## 473          80    80    87    65    78    80    72    70
## 474          92    85    74    47    93    94    72    44
## 475          85    79    76    55    79    80    64    57
## 476          70    73    70    84    54    60    74    78
## 477          74    71    79    69    76    76    66    54
## 478          53    62    71    85    34    51    79    85
## 479          87    85    73    77    79    88    56    68
## 480          78    81    69    75    69    80    70    68
## 481          86    89    76    76    81    75    73    63
## 482          63    66    78    85    47    57    83    87
## 483          86    84    76    60    80    81    54    60
## 484          32    49    43    79    58    43    69    13
## 485          75    75    84    65    72    74    75    67
## 486          67    66    55    78    58    59    81    82
## 487          65    58    86    66    94    80    74    63
## 488          78    78    88    73    81    86    92    80
## 489          71    74    76    81    43    57    74    83
## 490          55    53    77    76    73    70    82    65
## 491          75    73    70    86    58    77    85    74
## 492          67    67    72    78    62    68    75    84
## 493          79    83    87    69    66    79    70    70
## 494          75    76    90    68    59    79    59    67
## 495          68    73    78    69    59    65    74    83
## 496          78    77    84    57    87    82    74    55
## 497          72    71    77    65    81    75    69    57
## 498          81    79    82    72    71    76    71    69
## 499          55    66    69    89    34    34    70    84
## 500          50    51    34    66    55    52    68    11
## 501          66    68    77    68    77    72    70    69
## 502          86    80    91    72    70    69    71    66
## 503          79    78    82    76    68    70    70    72
## 504          52    51    74    78    63    59    86    81
## 505          55    55    69    87    48    50    80    76
## 506          50    47    25    65    44    52    68    11
## 507          50    48    32    57    50    45    75    14
## 508          54    64    68    79    59    66    72    82
## 509          46    49    67    83    36    55    64    81
## 510          74    77    92    75    70    66    66    60
## 511          51    50    35    72    45    53    62    18
## 512          69    70    63    67    74    78    67    58
## 513          44    44    37    76    32    58    73    10
## 514          44    43    33    55    50    50    62    13
## 515          55    50    34    62    61    60    84    12
```

```
## 516          71   69   91   73   73   73   64   69
## 517          57   58   38   65   53   67   73   17
## 518          64   58   81   67   77   77   78   52
## 519          68   75   91   78   62   69   60   75
## 520          67   68   90   82   62   66   80   76
## 521          50   52   58   77   63   67   80   78
## 522          46   37   22   66   43   49   69   10
## 523          49   47   78   79   64   57   66   70
## 524          60   64   74   83   64   51   83   79
## 525          33   41   28   74   48   52   74   10
## 526          66   64   62   65   59   69   57   75
## 527          32   34   79   77   63   52   70   74
## 528          43   34   54   75   60   59   34   42
## 529          46   50   34   68   38   60   68   12
## 530          90   92   88   59   83   88   80   58
## 531          81   79   87   75   69   79   79   76
## 532          69   75   78   86   59   68   85   86
## 533          79   76   81   83   74   74   75   77
## 534          74   75   88   70   70   70   61   57
## 535          66   68   78   79   47   55   81   79
## 536          82   72   91   59   90   90   56   42
## 537          71   72   79   81   62   66   78   72
## 538          78   65   90   58   77   84   70   42
## 539          68   76   78   86   52   65   88   75
## 540          91   92   68   30   85   91   65   56
## 541          58   47   86   73   69   66   64   46
## 542          64   69   73   80   55   66   88   82
## 543          86   80   69   59   83   87   54   61
## 544          64   68   66   68   62   54   72   78
## 545          68   66   78   71   68   75   54   48
## 546          49   47   37   67   41   36   69   17
## 547          87   85   74   82   62   77   73   73
## 548          82   68   78   37   90   91   59   37
## 549          85   88   77   61   82   81   75   60
## 550          69   69   83   78   67   75   69   72
## 551          92   93   79   47   81   90   72   60
## 552          79   84   85   69   69   76   69   66
## 553          93   92   79   66   74   80   73   64
## 554          65   69   74   78   55   59   74   76
## 555          83   83   77   55   76   77   55   52
## 556          89   92   93   69   83   83   69   60
## 557          88   88   72   62   78   84   76   65
## 558          76   68   68   34   81   86   62   53
## 559          89   89   74   74   72   76   66   48
## 560          72   77   86   84   72   75   76   70
## 561          54   73   72   81   53   59   65   83
## 562          78   75   69   57   87   79   74   69
## 563          34   33   37   51   39   36   69   17
## 564          67   67   76   64   70   75   52   54
## 565          81   82   80   78   78   78   73   72
## 566          81   84   79   67   74   76   75   54
## 567          91   87   75   53   88   92   70   45
## 568          94   84   68   31   96   92   61   59
## 569          72   72   76   65   75   79   69   64
```

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## 570          73   75   77   74   63   69   62   74
## 571          84   75   77   57   86   85   73   53
## 572          82   83   88   73   72   67   84   69
## 573          38   34   72   90   39   36   79   78
## 574          75   75   80   78   57   64   72   77
## 575          47   46   63   94   29   31   34   86
## 576          77   78   69   80   68   77   85   80
## 577          63   55   67   68   77   77   54   50
## 578          77   76   80   80   81   74   80   62
## 579          91   89   78   80   83   83   74   55
## 580          90   83   69   62   76   87   74   42
## 581          72   81   90   86   49   64   72   71
## 582          55   66   81   84   40   56   71   83
## 583          54   53   68   79   48   48   76   80
## 584          86   84   74   65   87   87   66   65
## 585          76   72   69   59   68   83   70   57
## 586          77   84   91   75   62   69   73   70
## 587          68   72   74   77   71   69   75   77
## 588          74   65   94   46   88   84   77   41
## 589          83   83   87   62   83   76   73   65
## 590          75   77   68   77   79   73   81   76
## 591          44   40   34   55   25   36   60   10
## 592          81   82   81   72   80   70   75   64
## 593          74   73   66   63   78   76   75   77
## 594          85   86   76   60   77   79   65   65
## 595          51   55   74   75   42   62   59   74
## 596          78   71   69   40   89   86   50   65
## 597          74   73   75   64   74   74   70   65
## 598          72   70   73   64   77   81   65   63
## 599          77   82   83   79   66   75   75   68
## 600          77   78   65   58   81   82   53   61
## 601          89   89   75   70   88   84   65   39
## 602          61   59   86   78   62   64   77   67
## 603          49   58   75   90   59   60   72   75
## 604          79   75   82   77   74   75   72   62
## 605          75   69   87   60   79   79   71   42
## 606          84   78   76   67   77   78   76   56
## 607          62   69   67   90   47   52   80   81
## 608          64   68   66   86   51   59   56   75
## 609          74   77   72   68   67   80   44   52
## 610          82   79   67   66   76   78   65   34
## 611          53   71   71   86   40   41   60   75
## 612          82   87   81   77   76   90   85   66
## 613          84   85   82   62   80   81   83   66
## 614          79   79   73   66   78   82   60   63
## 615          74   80   82   69   78   75   79   63
## 616          76   82   90   78   58   69   68   70
## 617          45   50   46   81   45   41   55   80
## 618          79   77   77   80   75   72   68   66
## 619          69   69   87   90   54   71   78   76
## 620          57   45   44   63   42   54   57   19
## 621          65   58   79   66   73   70   53   51
## 622          83   79   69   65   79   81   63   48
## 623          71   77   77   88   64   65   86   80
```

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## 624          65   63   48   56   69   70   34   38
## 625          75   77   87   72   68   68   78   70
## 626          84   79   83   72   83   78   80   62
## 627          74   68   78   65   73   79   65   59
## 628          72   77   66   87   53   59   75   78
## 629          69   74   73   80   64   67   80   76
## 630          85   79   79   45   88   87   76   56
## 631          62   69   85   92   66   72   81   73
## 632          66   77   81   93   57   60   62   55
## 633          73   75   68   75   78   68   82   74
## 634          49   61   38   61   50   58   74   16
## 635          90   92   84   67   70   70   83   73
## 636          81   84   74   59   72   69   77   60
## 637          69   73   83   93   37   50   60   88
## 638          69   69   74   80   60   58   88   78
## 639          79   72   81   75   62   73   71   61
## 640          79   83   77   69   74   73   70   68
## 641          86   82   85   69   73   74   70   66
## 642          86   89   72   55   76   86   72   60
## 643          66   68   84   81   57   74   72   70
## 644          55   51   83   70   68   59   76   78
## 645          45   48   32   80   40   68   74   19
## 646          79   82   88   86   63   74   80   70
## 647          77   76   88   68   83   76   76   67
## 648          51   59   71   88   46   51   63   74
## 649          75   69   82   87   73   66   73   62
## 650          68   61   67   75   75   69   74   67
## 651          66   63   42   58   54   64   79   14
## 652          83   76   75   57   85   86   69   42
## 653          84   89   80   63   75   76   69   60
## 654          72   75   69   84   57   46   75   78
## 655          68   69   70   61   71   79   56   75
## 656          74   75   69   76   71   71   74   77
## 657          54   58   93   83   55   53   49   87
## 658          34   34   29   38   50   44   75   15
## 659          80   75   80   67   79   84   46   45
## 660          74   76   68   78   68   68   68   60
## 661          79   75   69   57   81   79   66   50
## 662          67   71   70   76   56   57   73   83
## 663          55   59   31   72   42   28   69   16
## 664          47   44   35   75   44   52   63   12
## 665          78   77   90   66   65   68   80   66
## 666          65   69   55   83   59   54   81   76
## 667          86   85   75   77   71   86   80   77
## 668          69   67   69   64   73   73   68   68
## 669          59   50   61   71   74   78   71   61
## 670          69   67   69   73   57   50   80   81
## 671          55   55   55   76   60   50   76   72
## 672          52   41   52   77   61   45   69   80
## 673          75   75   74   77   67   71   65   70
## 674          33   48   70   82   54   56   77   83
## 675          83   82   59   55   86   84   65   63
## 676          52   57   63   91   33   40   56   90
## 677          66   70   66   85   58   59   73   81
```

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## 678          75    72    83    71    74    76    81    74
## 679          78    77    71    59    79    77    75    46
## 680          82    83    75    78    66    75    65    58
## 681          83    76    73    69    76    82    74    59
## 682          49    54    74    82    56    50    72    85
## 683          69    69    70    73    69    74    79    76
## 684          69    69    93    80    77    76    66    68
## 685          68    68    40    76    68    77    71    73
## 686          54    64    75    76    60    65    80    79
## 687          74    72    76    65    86    83    72    79
## 688          80    83    82    66    75    77    70    70
## 689          64    67    65    76    62    65    77    80
## 690          32    38    57    90    32    34    61    82
## 691          52    59    73    85    45    34    72    78
## 692          73    73    90    62    75    77    70    59
## 693          81    80    82    68    71    78    64    59
## 694          89    88    79    34    87    87    62    47
## 695          53    55    59    61    52    52    46    75
## 696          61    56    82    77    60    64    70    60
## 697          35    35    34    43    59    32    77    13
## 698          75    80    82    73    79    82    79    76
## 699          47    50    34    56    61    65    75    19
## 700          62    55    68    88    63    65    92    79
## 701          83    82    68    77    48    72    66    72
## 702          42    44    43    76    47    44    71    15
## 703          82    78    80    48    82    85    75    52
## 704          71    74    83    70    72    76    72    68
## 705          54    51    76    80    63    65    75    65
## 706          50    48    26    71    50    48    73    12
## 707          49    48    33    81    28    60    75    18
## 708          92    90    79    61    76    86    66    68
## 709          90    88    71    56    82    88    70    47
## 710          88    85    84    61    91    92    63    61
## 711          72    73    70    59    69    71    59    44
## 712          78    85    85    76    73    77    84    77
## 713          83    84    84    85    77    74    76    76
## 714          58    53    73    76    53    58    64    51
## 715          85    84    89    70    84    81    69    55
## 716          72    68    67    71    74    67    80    80
## 717          87    84    77    65    81    83    40    44
## 718          81    83    72    76    75    82    75    69
## 719          56    60    91    94    43    48    80    88
## 720          94    93    84    63    83    90    72    60
## 721          64    68    85    72    64    66    74    58
## 722          85    83    59    54    75    86    63    39
## 723          48    49    25    58    51    32    60    14
## 724          90    88    78    54    67    81    62    54
## 725          87    86    77    64    78    77    68    52
## 726          78    69    76    67    75    78    69    69
## 727          79    85    90    69    77    75    69    60
## 728          70    65    63    77    58    64    83    78
## 729          73    70    71    79    70    69    91    81
## 730          69    78    69    90    58    65    79    78
## 731          80    80    85    79    75    82    79    67
```

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## 732          60   63   73   72   52   59   69   73
## 733          82   84   82   60   70   80   76   66
## 734          92   90   78   59   77   79   77   65
## 735          70   86   87   81   60   65   82   71
## 736          66   68   75   79   53   52   86   77
## 737          79   77   70   61   76   78   62   56
## 738          87   86   82   64   71   85   64   52
## 739          64   70   63   80   61   59   73   75
## 740          59   58   36   72   47   63   72   13
## 741          64   69   77   75   68   72   72   77
## 742          74   84   84   88   55   52   76   73
## 743          60   57   91   80   49   61   71   60
## 744          72   67   79   84   59   46   80   81
## 745          85   84   81   54   84   84   65   61
## 746          72   73   78   71   66   65   77   80
## 747          68   69   69   76   72   58   73   73
## 748          79   77   81   71   65   72   70   63
## 749          88   89   89   61   79   82   75   69
## 750          69   69   55   79   62   61   78   76
## 751          87   79   76   44   92   95   62   41
## 752          77   78   78   78   53   84   70   82
## 753          89   87   73   74   76   85   78   52
## 754          88   84   92   55   92   88   92   60
## 755          85   92   75   73   69   85   69   64
## 756          53   54   93   69   52   66   51   58
## 757          73   77   71   66   74   81   61   57
## 758          91   92   73   33   89   89   77   63
## 759          87   86   68   70   77   86   74   70
## 760          64   67   60   91   44   60   76   75
## 761          53   54   81   76   76   67   81   65
## 762          64   68   76   84   43   60   54   88
## 763          60   64   80   74   64   68   58   66
## 764          49   52   38   59   60   68   75   11
## 765          75   77   79   77   58   63   74   80
## 766          76   78   79   83   54   65   71   67
## 767          94   91   75   55   75   83   72   47
## 768          34   51   76   92   32   32   65   75
## 769          75   66   86   75   77   75   81   66
## 770          76   78   84   81   64   66   72   71
## 771          65   66   64   82   58   65   68   67
## 772          58   63   73   85   64   53   58   73
## 773          68   65   76   69   90   75   56   27
## 774          78   73   86   63   85   81   61   53
## 775          44   45   34   64   50   51   65   14
## 776          83   77   83   77   73   79   82   76
## 777          63   69   68   86   67   65   80   75
## 778          68   69   74   79   64   67   75   76
## 779          74   67   88   74   78   76   75   58
## 780          66   67   68   76   74   76   80   73
## 781          90   86   83   85   83   82   86   51
## 782          66   74   74   81   55   65   82   81
## 783          58   67   60   89   41   61   56   77
## 784          60   67   77   80   65   68   76   80
## 785          82   79   70   69   68   76   77   54
```

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## 786          71   74   89   78   72   70   82   75
## 787          66   71   91   69   64   72   70   65
## 788          74   73   74   80   66   76   80   82
## 789          44   46   44   72   43   50   58   14
## 790          84   74   79   55   93   88   55   58
## 791          76   78   86   87   50   50   57   69
## 792          66   76   77   86   45   59   55   77
## 793          33   32   35   83   43   55   54   73
## 794          66   68   74   79   54   54   83   83
## 795          85   86   67   77   80   83   58   59
## 796          75   74   74   58   84   87   81   75
## 797          59   62   76   76   59   64   65   68
## 798          88   89   80   85   76   86   82   88
## 799          52   60   76   82   55   67   79   75
## 800          69   73   92   80   65   66   78   69
## 801          75   75   74   72   72   77   62   60
## 802          86   79   51   47   94   87   73   43
## 803          75   74   71   61   74   69   65   52
## 804          28   28   39   64   30   33   57   12
## 805          89   89   80   82   76   84   60   51
## 806          77   77   87   75   67   68   71   65
## 807          78   81   86   77   76   74   71   70
## 808          75   69   71   73   68   67   71   54
## 809          73   75   75   78   54   70   68   71
## 810          71   68   80   71   74   67   80   68
## 811          65   68   73   78   59   65   82   76
## 812          88   87   79   78   68   75   91   87
## 813          64   65   45   68   63   67   84   14
## 814          91   90   79   68   85   84   69   50
## 815          77   76   73   69   77   75   83   72
## 816          61   66   63   87   44   55   76   78
## 817          76   69   75   66   84   90   73   61
## 818          80   78   78   68   60   74   62   66
## 819          67   63   86   56   91   79   78   44
## 820          61   62   61   85   50   54   68   79
## 821          87   82   54   53   80   89   66   35
## 822          54   65   68   90   49   53   61   88
## 823          88   79   65   52   91   85   76   71
## 824          77   78   75   77   66   76   72   74
## 825          55   64   63   82   49   54   65   86
## 826          67   73   69   80   60   59   74   84
## 827          79   77   89   64   86   89   72   53
## 828          69   76   77   91   78   66   82   74
## 829          69   69   79   92   74   65   86   82
## 830          63   64   79   81   59   61   68   77
## 831          78   76   76   61   73   84   62   42
## 832          69   65   75   92   50   62   84   91
## 833          68   69   69   56   72   69   63   57
## 834          73   79   81   85   65   70   83   77
## 835          78   78   72   72   69   77   83   76
## 836          37   40   34   62   30   54   62   13
## 837          64   68   72   72   59   70   70   71
## 838          65   66   92   75   67   63   71   70
## 839          65   55   92   77   55   49   74   70
```

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## 840          62   68   74   83   65   60   80   82
## 841          65   69   68   86   58   59   82   76
## 842          76   81   78   83   66   83   83   79
## 843          54   55   84   92   52   50   65   91
## 844          51   52   38   78   53   70   66   15
## 845          78   83   72   75   68   75   91   86
## 846          77   78   84   64   76   81   75   62
## 847          49   49   69   85   52   58   74   81
## 848          61   69   69   59   72   63   48   36
## 849          78   77   93   64   91   87   66   58
## 850          75   79   77   78   65   71   75   72
## 851          86   84   84   80   83   80   66   69
## 852          67   69   76   74   57   71   53   65
## 853          32   35   29   80   42   32   59   13
## 854          63   56   72   58   75   72   72   58
## 855          67   64   85   73   78   75   61   66
## 856          58   63   74   75   57   55   58   68
## 857          71   66   72   66   78   74   71   62
## 858          77   79   63   36   96   93   57   36
## 859          50   35   42   60   42   63   69   19
## 860          64   55   83   72   71   63   72   71
## 861          65   55   42   58   57   65   81   16
## 862          75   69   78   51   83   81   57   50
## 863          74   74   62   83   64   68   82   76
## 864          85   89   87   73   75   79   75   68
## 865          55   48   53   67   72   76   44   62
## 866          77   76   68   73   72   71   80   75
## 867          77   77   75   72   80   79   64   48
## 868          77   75   74   69   76   77   74   65
## 869          52   50   36   62   48   54   69   14
## 870          62   65   75   79   66   51   62   75
## 871          67   65   82   70   72   74   57   54
## 872          64   66   77   89   55   62   90   86
## 873          77   85   68   79   54   61   78   79
## 874          55   65   69   69   75   69   61   60
## 875          76   68   69   78   75   72   69   60
## 876          73   69   64   56   72   78   62   47
## 877          81   82   67   74   85   82   72   48
## 878          54   55   87   82   59   53   61   76
## 879          72   74   79   74   74   72   73   76
## 880          69   67   60   79   57   60   88   82
## 881          83   79   69   62   83   81   80   75
## 882          68   66   87   67   81   79   74   56
## 883          83   78   69   56   77   84   57   51
## 884          51   52   90   71   74   66   59   62
## 885          87   86   81   59   92   93   71   28
## 886          72   74   80   70   74   75   77   71
## 887          40   35   32   66   28   59   60   12
## 888          60   62   58   70   64   65   76   78
## 889          77   78   78   68   72   73   68   63
## 890          84   82   82   65   82   82   78   60
## 891          77   77   75   69   77   78   52   50
## 892          63   65   75   79   56   61   76   78
## 893          49   54   44   76   55   39   70   22
```

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## 894          76    73    75    79    82    76    77    76
## 895          32    49    76    93    42    26    51    83
## 896          50    52    27    64    53    56    76    14
## 897          33    34    54    85    55    32    72    84
## 898          62    60    67    67    61    65    59    64
## 899          34    52    59    88    40    49    48    77
## 900          33    34    70    80    57    63    54    82
## 901          75    69    60    58    75    73    52    55
## 902          67    67    76    80    86    70    80    63
## 903          45    43    59    82    40    51    64    78
## 904          69    71    33    60    75    69    42    56
## 905          45    45    54    78    55    67    65    78
## 906          33    55    68    91    33    31    54    85
## 907          65    69    62    78    66    55    78    78
## 908          87    88    76    69    75    77    71    75
## 909          48    45    40    70    53    55    73    13
## 910          79    82    91    77    88    81    81    64
## 911          81    81    61    72    77    79    56    77
## 912          72    72    76    88    55    51    61    62
## 913          84    76    88    68    70    79    61    60
## 914          84    81    56    87    55    55    84    77
## 915          87    74    75    57    83    86    58    45
## 916          81    75    82    62    75    82    51    69
## 917          88    86    82    33    90    86    59    60
## 918          81    82    89    82    66    67    72    77
## 919          41    42    29    79    41    34    67    11
## 920          69    72    71    75    61    70    79    72
## 921          91    90    82    67    68    83    59    60
## 922          79    75    75    71    69    69    67    71
## 923          66    69    73    76    76    55    75    75
## 924          72    76    81    80    70    64    75    73
## 925          64    60    68    64    70    75    56    41
## 926          58    56    77    71    66    55    65    61
## 927          40    48    18    81    44    40    60    13
## 928          78    69    77    59    75    82    66    42
## 929          79    77    77    64    88    86    62    49
## 930          69    77    69    69    69    69    77    74
## 931          83    85    83    76    72    77    84    64
## 932          91    88    72    41    86    92    60    48
## 933          86    80    74    62    84    92    58    57
## 934          86    87    89    73    65    66    74    67
## 935          74    66    65    59    73    72    55    37
## 936          93    93    80    63    76    89    75    56
## 937          53    40    36    76    47    43    55    16
## 938          86    85    80    75    77    82    72    59
## 939          84    77    95    54    75    85    62    44
## 940          68    75    69    85    55    64    78    81
## 941          69    69    83    77    56    68    62    60
## 942          92    92    72    64    88    85    55    49
## 943          79    78    65    68    81    87    72    62
## 944          67    67    66    78    44    45    75    78
## 945          74    75    69    79    76    62    71    74
## 946          68    74    62    84    48    50    72    77
## 947          61    59    68    67    76    68    65    57
```

```
## 948          81   74   62   36   87   78   58   24
## 949          49   40   27   69   51   34   53   15
## 950          79   84   88   78   64   76   82   68
## 951          81   86   83   65   70   73   74   58
## 952          70   71   86   76   77   74   60   58
## 953          78   84   74   71   66   76   88   75
## 954          55   39   85   82   59   58   41   72
## 955          64   67   81   70   76   65   74   56
## 956          82   80   91   76   66   70   80   75
## 957          30   34   25   72   34   36   57   11
## 958          59   57   80   76   56   68   79   61
## 959          82   79   67   80   71   77   67   67
## 960          83   82   54   72   77   77   90   76
## 961          61   64   75   76   72   74   55   63
## 962          75   78   67   63   69   76   72   68
## 963          61   64   92   72   62   67   70   57
## 964          79   79   79   79   75   75   55   56
## 965          73   76   76   72   60   73   52   74
## 966          78   78   76   55   80   82   72   58
## 967          75   73   79   74   63   66   65   68
## 968          64   66   72   71   68   75   72   46
## 969          91   90   87   62   82   83   84   73
## 970          87   76   77   47   95   93   92   71
## 971          71   70   62   55   75   75   60   34
## 972          72   71   82   72   77   73   70   61
## 973          76   72   47   39   90   88   56   42
## 974          76   80   87   69   75   75   79   62
## 975          78   75   67   56   85   89   57   60
## 976          91   87   75   60   87   84   55   67
## 977          76   85   77   90   74   66   75   74
## 978          67   66   70   66   64   70   65   64
## 979          48   44   43   64   51   62   72   10
## 980          79   77   78   64   76   85   56   38
## 981          85   86   79   71   74   78   76   67
## 982          59   62   75   85   59   60   75   78
## 983          66   59   82   80   68   63   81   77
## 984          69   66   70   68   69   70   72   72
## 985          83   82   86   66   68   76   73   63
## 986          55   68   78   78   59   63   70   69
## 987          83   79   85   67   72   75   73   54
## 988          75   69   79   69   77   77   61   60
## 989          69   64   81   69   75   64   64   52
## 990          84   82   78   66   79   85   67   58
## 991          55   68   69   83   50   54   67   79
## 992          89   88   66   68   80   78   64   47
## 993          78   82   77   75   86   75   82   67
## 994          68   68   69   85   59   66   82   82
## 995          53   63   67   79   34   48   71   73
## 996          75   78   71   91   51   69   80   75
## 997          79   79   78   72   78   77   66   58
## 998          71   73   82   75   67   68   81   69
## 999          72   75   71   72   68   65   90   80
## 1000         79   80   79   79   71   68   69   64
## 1001         60   62   67   83   58   48   86   77
```

```
## 1002          65    69    62    57    76    76    65    48
## 1003          69    68    72    70    61    69    79    82
## 1004          78    79    70    90    57    61    90    78
## 1005          34    35    35    73    58    32    70    19
## 1006          74    75    68    83    61    64    92    79
## 1007          77    85    84    76    67    68    68    69
## 1008          79    70    85    75    84    78    78    60
## 1009          82    78    76    76    63    73    85    74
## 1010          89    79    78    48    89    92    74    45
## 1011          71    72    75    71    66    68    91    75
## 1012          75    75    89    75    75    75    67    56
## 1013          52    55    66    85    40    50    66    73
## 1014          59    54    75    67    60    66    55    59
## 1015          74    73    65    64    67    77    58    52
## 1016          95    92    91    45    85    88    80    64
## 1017          68    65    80    71    69    69    57    53
## 1018          58    63    82    83    57    49    61    69
## 1019          50    47    42    68    42    59    64    15
## 1020          86    84    77    47    79    79    81    40
## 1021          66    69    72    74    64    79    82    83
## 1022          84    80    87    75    75    75    59    57
## 1023          87    82    72    57    74    79    65    67
## 1024          36    37    29    60    35    49    53    13
## 1025          77    78    71    70    68    76    80    75
## 1026          76    75    70    67    68    74    80    71
## 1027          67    65    74    64    60    79    79    80
## 1028          66    67    76    73    75    69    59    65
## 1029          67    76    86    76    56    74    76    68
## 1030          78    83    77    68    68    73    64    66
## 1031          69    75    75    79    61    66    78    80
## 1032          77    74    75    62    72    75    67    62
## 1033          54    45    69    78    54    53    69    73
## 1034          79    84    85    72    87    77    67    58
## 1035          69    68    80    71    67    69    69    51
## 1036          93    90    62    40    91    92    68    40
## 1037          88    90    72    66    77    86    62    52
## 1038          79    85    77    83    63    77    78    75
## 1039          75    73    85    75    83    80    79    65
## 1040          68    64    55    61    54    67    48    45
## 1041          65    69    75    91    52    57    82    73
## 1042          61    67    65    82    47    53    64    81
## 1043          89    88    69    67    68    77    74    64
## 1044          66    64    83    73    64    77    71    66
## 1045          63    72    68    79    58    59    78    74
## 1046          68    73    90    70    72    67    52    65
## 1047          70    72    68    86    47    48    74    74
## 1048          92    78    77    47    91    91    40    25
## 1049          89    84    81    73    82    79    81    71
## 1050          69    75    78    69    71    68    73    60
## 1051          86    85    69    57    71    80    48    52
## 1052          82    84    87    68    80    78    78    59
## 1053          79    73    83    69    75    85    90    74
## 1054          87    85    72    61    83    88    72    62
## 1055          51    53    67    91    34    45    34    78
```

```
## 1056          55   62   71   78   60   58   90   80
## 1057          53   54   64   78   48   32   82   83
## 1058          76   78   68   68   76   76   82   76
## 1059          54   66   74   81   58   55   80   79
## 1060          77   85   91   75   65   72   84   68
## 1061          46   48   64   86   34   31   78   80
## 1062          48   42   31   78   22   33   34   16
## 1063          76   77   77   71   75   69   72   58
## 1064          75   76   80   64   66   69   69   71
## 1065          75   77   79   72   75   79   65   64
## 1066          67   68   68   69   55   68   70   80
## 1067          75   75   80   67   78   76   68   68
## 1068          79   75   86   78   83   75   91   59
## 1069          75   73   74   65   77   84   58   58
## 1070          65   74   69   83   34   46   56   84
## 1071          79   81   84   56   80   89   66   73
## 1072          60   58   86   72   68   63   73   56
## 1073          55   65   76   80   57   64   83   90
## 1074          77   77   79   82   61   76   74   72
## 1075          66   74   73   56   77   72   62   48
## 1076          62   67   72   59   77   73   78   59
## 1077          54   55   62   78   36   48   60   81
## 1078          68   71   84   83   67   69   65   76
## 1079          66   75   79   76   60   65   75   68
## 1080          84   84   72   67   72   74   71   52
## 1081          64   67   77   76   67   62   65   69
## 1082          79   69   69   54   86   88   59   54
## 1083          76   75   82   76   74   67   77   74
## 1084          68   68   78   66   62   69   68   65
## 1085          75   76   75   71   78   79   64   60
## 1086          66   66   62   78   60   60   78   74
## 1087          92   94   68   39   90   88   75   55
## 1088          74   75   92   75   66   72   71   70
## 1089          74   67   86   64   78   83   90   60
## 1090          78   82   88   73   70   76   74   66
## 1091          94   90   79   71   64   85   73   74
## 1092          76   74   77   59   66   75   60   68
## 1093          81   75   81   68   78   85   61   52
## 1094          76   71   74   67   69   74   51   69
## 1095          78   76   78   78   71   78   90   77
## 1096          68   76   86   74   70   66   71   65
## 1097          75   79   92   86   60   65   78   80
## 1098          68   69   77   75   53   76   77   73
## 1099          55   68   78   82   58   60   72   72
## 1100          41   40   29   41   39   34   66    8
## 1101          74   76   92   73   51   73   90   80
## 1102          78   78   85   69   76   78   73   69
## 1103          65   69   65   83   54   59   79   76
## 1104          90   91   70   65   70   83   71   68
## 1105          61   63   60   90   60   50   91   84
## 1106          63   71   68   73   69   65   80   70
## 1107          89   87   77   57   84   87   78   56
## 1108          81   73   69   60   76   84   62   49
## 1109          79   78   83   77   72   74   84   72
```

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## 1110          67    66    73    86    58    62    86    78
## 1111          77    77    75    69    76    83    90    77
## 1112          75    68    76    64    75    79    72    52
## 1113          87    86    71    58    69    85    68    66
## 1114          78    78    85    64    79    85    72    60
## 1115          66    68    84    87    53    64    75    70
## 1116          78    86    84    79    75    76    74    74
## 1117          47    34    40    52    35    69    67    22
## 1118          73    77    79    69    75    67    78    62
## 1119          69    75    73    78    62    62    80    77
## 1120          66    67    77    69    73    73    74    66
## 1121          65    72    74    88    47    49    72    80
## 1122          77    70    91    74    61    73    74    69
## 1123          65    53    88    68    60    69    68    65
## 1124          73    78    79    93    48    58    76    80
## 1125          85    90    62    64    70    80    62    69
## 1126          53    52    65    88    33    34    50    85
## 1127          79    78    69    65    87    79    78    52
## 1128          68    69    68    78    65    72    85    80
## 1129          65    65    74    83    51    54    80    68
## 1130          71    74    68    89    67    61    75    75
## 1131          63    56    77    64    71    66    58    62
## 1132          45    45    38    70    40    40    70    10
## 1133          92    88    84    56    95    86    70    32
## 1134          69    76    81    70    77    83    63    66
## 1135          62    66    54    81    55    59    85    76
## 1136          51    65    43    63    67    64    82    15
## 1137          78    78    89    69    83    86    88    58
## 1138          92    88    74    64    81    87    68    50
## 1139          54    68    64    85    49    58    81    76
## 1140          83    83    84    66    70    78    78    62
## 1141          77    76    59    64    76    67    77    71
## 1142          79    84    85    71    65    79    81    76
## 1143          67    68    79    78    71    64    63    66
## 1144          52    64    76    74    61    55    72    65
## 1145          84    84    84    79    75    74    93    75
## 1146          58    57    32    79    57    39    69    12
## 1147          42    61    70    92    43    34    53    74
## 1148          79    75    76    82    63    76    91    70
## 1149          82    90    74    82    58    69    64    57
## 1150          91    89    75    70    70    83    68    71
## 1151          63    66    67    59    70    72    72    59
## 1152          35    35    25    70    48    67    81    14
## 1153          63    55    78    78    64    64    78    67
## 1154          68    78    69    76    58    68    72    78
## 1155          64    65    65    70    67    91    91    74
## 1156          44    43    33    62    48    50    64     9
## 1157          68    68    73    84    56    62    80    78
## 1158          52    72    69    83    47    53    78    81
## 1159          55    62    67    78    58    63    68    75
## 1160          32    53    79    75    66    69    68    64
## 1161          68    68    87    76    54    67    78    78
## 1162          65    72    55    87    37    53    66    77
## 1163          64    66    67    81    55    62    78    84
```

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## 1164          66    67    80    77    68    71    70    68
## 1165          51    53    45    81    52    68    76    85
## 1166          78    78    69    55    75    79    69    60
## 1167          53    54    68    73    59    60    73    68
## 1168          68    73    68    83    57    65    71    68
## 1169          58    58    36    75    47    57    80    14
## 1170          31    32    22    62    68    50    56    12
## 1171          69    63    79    70    66    75    60    44
## 1172          76    78    81    67    71    77    54    57
## 1173          82    78    69    62    74    86    69    56
## 1174          67    67    86    67    76    79    82    53
## 1175          68    68    74    74    64    64    55    61
## 1176          73    74    78    70    73    71    78    63
## 1177          42    42    36    60    43    45    68    14
## 1178          44    55    75    86    46    33    66    77
## 1179          43    48    76    85    54    53    70    72
## 1180          59    58    79    77    60    57    72    76
## 1181          43    42    42    82    35    54    72    18
## 1182          71    62    72    81    72    74    56    56
## 1183          44    44    37    73    52    49    55    13
## 1184          52    54    70    58    91    77    70    41
## 1185          66    68    80    75    60    66    76    76
## 1186          68    55    55    76    62    50    89    80
## 1187          55    55    60    73    73    63    70    70
## 1188          77    77    79    72    68    73    77    68
## 1189          55    63    77    81    45    47    80    86
## 1190          46    54    73    91    52    31    76    75
## 1191          73    80    74    78    65    81    81    79
## 1192          34    31    66    80    54    50    80    81
## 1193          32    33    33    83    52    28    47    13
## 1194          71    66    72    57    75    72    33    45
## 1195          65    69    86    91    42    59    83    80
## 1196          68    71    64    82    52    65    76    78
## 1197          76    72    67    61    75    76    67    56
## 1198          60    58    31    62    61    61    82    14
## 1199          36    33    44    79    53    38    76    74
## 1200          36    38    26    63    44    31    58    10
## 1201          34    42    23    62    43    49    76    11
## 1202          76    78    80    81    66    75    73    69
## 1203          20    24    28    76    36    28    69    17
## 1204          52    54    55    64    84    66    72    43
## 1205          76    75    65    61    67    64    53    47
## 1206          68    63    74    86    50    49    84    72
## 1207          76    76    84    74    68    78    58    59
## 1208          88    73    80    70    76    78    64    64
## 1209          58    70    88    80    76    77    81    60
## 1210          63    59    80    88    42    56    54    74
## 1211          78    79    86    68    81    83    71    69
## 1212          55    50    43    78    47    71    69    45
## 1213          31    33    23    84    23    42    69     8
## 1214          58    62    23    60    43    66    60     7
## 1215          78    81    91    68    77    72    43    56
## 1216          69    68    88    71    77    78    67    56
## 1217          52    63    68    83    37    38    81    73
```

```
## 1218          67    74    60    77    63    61    91    72
## 1219          55    58    62    81    49    49    88    76
## 1220          94    93    71    56    77    89    87    57
## 1221          85    85    75    75    75    83    69    68
## 1222          53    65    86    86    49    65    84    70
## 1223          84    83    86    63    74    84    54    56
## 1224          85    87    88    89    40    78    74    73
## 1225          92    87    73    29    90    93    66    42
## 1226          64    62    32    55    53    68    80    20
## 1227          68    74    81    66    62    59    73    75
## 1228          89    85    65    74    70    79    58    60
## 1229          61    78    79    88    38    48    58    74
## 1230          82    81    73    60    78    87    66    68
## 1231          86    87    77    56    70    84    65    60
## 1232          66    69    80    80    72    82    86    76
## 1233          77    79    80    76    69    76    68    70
## 1234          69    73    72    78    74    65    90    82
## 1235          66    70    75    78    74    52    84    76
## 1236          84    87    78    85    73    78    73    68
## 1237          65    68    81    74    60    61    87    72
## 1238          78    77    83    62    73    69    53    52
## 1239          66    65    61    72    61    69    85    75
## 1240          87    86    64    39    88    86    57    43
## 1241          79    77    74    60    83    77    58    52
## 1242          86    85    85    68    74    76    90    74
## 1243          72    64    77    66    85    76    72    57
## 1244          74    70    64    83    57    58    79    77
## 1245          93    92    85    43    85    85    79    55
## 1246          65    61    75    76    69    67    72    57
## 1247          75    77    71    71    79    72    81    80
## 1248          55    67    68    84    45    51    78    77
## 1249          85    84    74    34    78    87    65    43
## 1250          82    84    86    63    83    82    72    57
## 1251          88    86    74    37    92    89    66    64
## 1252          83    79    68    65    75    79    59    54
## 1253          68    73    68    34    79    78    60    52
## 1254          85    79    69    38    84    90    43    40
## 1255          77    81    72    77    70    71    74    66
## 1256          86    87    91    75    81    75    76    57
## 1257          68    69    68    75    60    61    72    74
## 1258          56    57    32    64    59    48    59    23
## 1259          76    78    75    67    82    79    62    55
## 1260          73    79    75    73    49    73    85    81
## 1261          67    68    68    82    65    67    65    75
## 1262          82    80    76    58    72    77    57    46
## 1263          88    82    77    59    85    87    65    35
## 1264          87    84    78    69    87    84    81    68
## 1265          80    81    70    73    70    80    61    70
## 1266          54    51    75    79    53    41    85    79
## 1267          70    66    78    64    72    69    70    50
## 1268          66    63    90    85    70    66    53    51
## 1269          85    90    90    78    71    82    85    69
## 1270          67    74    74    84    51    60    70    75
## 1271          78    76    76    48    82    85    62    51
```

```
## 1272          86    88    92    60    77    82    65    43
## 1273          49    61    62    87    30    49    58    80
## 1274          79    88    75    74    68    75    66    54
## 1275          75    78    82    77    64    60    55    76
## 1276          68    64    69    83    81    62    79    77
## 1277          86    79    66    56    82    88    76    72
## 1278          60    69    67    74    52    55    80    75
## 1279          78    77    66    56    77    84    52    38
## 1280          80    80    80    67    75    75    72    59
## 1281          66    69    82    77    62    65    73    79
## 1282          59    59    67    58    71    69    59    47
## 1283          42    48    34    70    40    50    60    14
## 1284          69    69    78    74    67    73    64    59
## 1285          86    76    76    50    92    88    61    45
## 1286          66    66    78    69    68    67    82    72
## 1287          91    92    60    56    82    88    66    58
## 1288          78    74    72    64    79    83    52    47
## 1289          68    70    74    76    65    62    72    71
## 1290          79    76    68    58    80    84    44    43
## 1291          83    85    75    61    78    85    78    78
## 1292          82    78    89    66    64    74    68    63
## 1293          76    79    74    83    63    68    83    74
## 1294          54    65    65    77    49    51    66    77
## 1295          58    67    70    76    33    57    72    79
## 1296          61    66    72    80    61    64    79    69
## 1297          79    79    79    54    74    79    68    59
## 1298          75    66    76    59    89    84    54    47
## 1299          79    78    73    53    79    82    61    40
## 1300          62    66    76    84    45    59    54    82
## 1301          63    55    74    78    61    67    86    83
## 1302          66    72    84    84    55    64    82    66
## 1303          83    84    87    64    84    85    94    82
## 1304          62    67    67    75    69    71    74    63
## 1305          69    68    82    74    68    77    73    51
## 1306          69    74    74    83    52    62    83    82
## 1307          52    49    79    82    61    53    66    79
## 1308          75    77    83    75    70    73    78    68
## 1309          66    66    87    76    69    62    79    71
## 1310          84    77    59    54    65    84    61    23
## 1311          68    71    78    72    68    69    65    73
## 1312          65    76    83    80    64    60    71    66
## 1313          44    47    32    71    48    45    63    14
## 1314          86    84    73    70    74    82    68    55
## 1315          86    84    65    52    76    88    33    33
## 1316          82    84    76    72    77    81    75    69
## 1317          76    75    68    58    75    78    77    64
## 1318          76    76    82    54    85    77    77    55
## 1319          69    63    74    67    88    78    64    53
## 1320          79    83    87    67    75    79    75    64
## 1321          84    74    68    57    92    90    52    44
## 1322          87    86    68    50    86    84    73    49
## 1323          56    59    64    80    53    60    77    76
## 1324          77    79    68    78    58    77    70    73
## 1325          69    68    76    64    79    74    68    57
```

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## 1326          89    89    85    63    87    86    85    61
## 1327          72    74    83    81    62    62    69    73
## 1328          68    67    70    68    72    77    52    49
## 1329          48    41    44    50    67    33    59    15
## 1330          88    82    84    74    83    81    77    52
## 1331          59    69    86    82    55    64    72    79
## 1332          76    70    73    58    82    84    53    49
## 1333          64    67    69    76    56    74    74    64
## 1334          64    68    73    77    62    60    70    65
## 1335          78    69    77    59    77    78    75    52
## 1336          85    80    64    62    71    74    62    67
## 1337          85    84    88    62    76    78    82    62
## 1338          91    90    66    44    92    93    72    49
## 1339          41    45    34    68    24    43    62    14
## 1340          89    87    62    46    83    92    44    39
## 1341          33    50    70    89    49    54    45    74
## 1342          80    73    73    51    83    91    74    59
## 1343          68    68    79    54    80    76    50    51
## 1344          83    82    80    59    83    83    83    62
## 1345          61    53    65    76    53    52    65    80
## 1346          94    93    81    54    86    91    52    45
## 1347          89    93    66    68    77    78    82    58
## 1348          77    72    72    55    82    76    53    50
## 1349          55    65    44    52    41    58    72    19
## 1350          75    79    81    81    53    50    69    73
## 1351          69    76    72    77    57    67    60    72
## 1352          76    79    73    80    60    60    68    63
## 1353          64    71    78    82    62    62    85    69
## 1354          84    79    80    69    75    77    75    53
## 1355          61    64    62    83    63    52    65    76
## 1356          76    73    75    80    80    66    73    71
## 1357          69    75    84    86    54    75    74    72
## 1358          77    78    65    65    69    75    59    63
## 1359          82    83    82    78    64    76    83    72
## 1360          68    75    69    74    75    78    82    67
## 1361          74    73    87    59    82    77    66    45
## 1362          79    72    66    56    70    83    66    50
## 1363          79    77    73    38    72    81    61    48
## 1364          49    48    78    69    58    60    53    72
## 1365          69    68    76    78    62    72    74    70
## 1366          54    56    79    77    52    55    78    59
## 1367          68    71    75    61    80    76    52    57
## 1368          50    53    72    84    55    51    61    73
## 1369          81    81    75    49    82    79    53    53
## 1370          40    37    22    51    38    39    70    11
## 1371          77    75    69    65    77    82    64    47
## 1372          59    65    70    87    32    62    74    68
## 1373          48    52    63    84    34    40    52    83
## 1374          80    75    74    67    75    82    80    71
## 1375          57    66    66    70    79    76    54    57
## 1376          55    53    52    76    65    55    74    79
## 1377          66    73    66    83    52    53    85    75
## 1378          76    78    69    72    74    73    74    66
## 1379          62    60    65    78    60    69    68    67
```

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## 1380          82   82   72   59   73   83   76   69
## 1381          50   52   62   83   34   46   58   85
## 1382          70   68   80   75   76   73   73   44
## 1383          71   75   79   73   63   66   61   57
## 1384          77   77   74   74   72   81   72   76
## 1385          34   34   44   77   45   43   70    8
## 1386          71   78   69   77   60   72   76   74
## 1387          79   80   72   60   90   85   63   51
## 1388          93   90   77   81   79   81   66   62
## 1389          89   79   69   49   92   93   54   42
## 1390          83   86   71   67   76   78   62   60
## 1391          55   53   66   59   73   83   54   53
## 1392          69   68   71   81   69   72   72   70
## 1393          49   52   30   72   41   47   64   12
## 1394          67   69   73   75   69   67   66   60
## 1395          74   70   81   65   73   80   60   58
## 1396          69   71   81   64   67   71   72   46
## 1397          32   34   64   90   31   34   78   80
## 1398          58   66   84   80   57   51   74   71
## 1399          69   73   74   78   66   66   74   68
## 1400          55   69   65   90   34   55   55   70
## 1401          91   91   79   79   76   72   70   65
## 1402          67   68   77   77   67   67   77   71
## 1403          55   55   78   83   68   62   85   75
## 1404          51   46   29   54   33   54   76   11
## 1405          74   77   91   81   63   74   73   67
## 1406          78   79   70   79   62   73   80   77
## 1407          83   79   75   73   74   78   89   74
## 1408          75   69   88   65   86   79   87   54
## 1409          45   34   42   80   55   54   62   14
## 1410          85   85   76   68   71   74   68   68
## 1411          54   68   74   68   66   62   83   70
## 1412          76   78   80   78   64   68   77   69
## 1413          75   75   72   66   75   68   74   60
## 1414          85   84   91   47   85   84   73   47
## 1415          93   93   74   65   77   82   34   40
## 1416          92   91   75   33   92   91   76   47
## 1417          84   79   83   63   72   79   72   66
## 1418          85   83   75   67   59   82   74   73
## 1419          69   69   72   62   68   79   53   55
## 1420          76   74   78   66   77   74   64   42
## 1421          68   76   71   84   59   56   62   67
## 1422          68   67   86   74   73   68   72   53
## 1423          46   55   61   90   36   49   66   74
## 1424          69   69   75   70   73   73   78   58
## 1425          54   53   64   79   56   58   76   75
## 1426          74   75   73   91   31   60   34   77
## 1427          53   54   78   80   57   70   72   71
## 1428          62   68   88   78   60   68   84   72
## 1429          65   64   77   71   75   68   84   66
## 1430          69   72   74   72   65   67   69   67
## 1431          77   78   82   83   64   63   81   76
## 1432          51   51   31   58   38   48   58   10
## 1433          78   78   83   57   90   78   85   58
```

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## 1434          76    79    78    76    58    68    74    65
## 1435          69    67    90    68    76    74    73    61
## 1436          58    56    35    63    43    35    68    16
## 1437          79    77    73    76    80    79    72    66
## 1438          84    84    73    52    77    83    53    22
## 1439          88    87    64    59    81    92    65    54
## 1440          84    83    76    78    68    84    83    74
## 1441          54    55    61    79    54    49    83    74
## 1442          85    92    87    75    76    88    85    61
## 1443          73    68    86    75    80    78    80    64
## 1444          76    71    72    65    75    77    41    57
## 1445          78    78    76    76    74    78    76    73
## 1446          76    74    80    43    84    85    56    64
## 1447          50    53    70    92    50    41    68    79
## 1448          81    77    74    62    73    82    58    63
## 1449          78    80    76    78    72    78    78    54
## 1450          63    65    75    84    43    62    75    78
## 1451          66    64    83    74    60    67    80    82
## 1452          66    78    72    77    59    67    61    75
## 1453          78    76    81    59    84    74    72    38
## 1454          79    77    75    66    64    78    71    75
## 1455          84    77    60    65    81    86    80    67
## 1456          54    52    75    86    33    32    34    78
## 1457          77    77    77    69    74    75    68    56
## 1458          70    50    74    80    69    63    80    70
## 1459          77    72    76    68    69    74    83    66
## 1460          54    68    72    78    39    61    77    83
## 1461          75    78    79    80    58    64    78    77
## 1462          94    96    76    66    80    86    64    53
## 1463          66    69    75    82    55    58    70    85
## 1464          55    66    71    90    48    51    63    78
## 1465          81    81    75    74    69    74    83    69
## 1466          86    78    69    34    94    86    55    56
## 1467          77    79    81    82    52    55    76    75
## 1468          78    77    85    60    90    80    52    39
## 1469          86    79    78    60    78    84    62    60
## 1470          43    40    35    69    40    48    62    19
## 1471          64    74    67    84    56    54    65    78
## 1472          59    63    68    75    56    65    66    82
## 1473          79    86    80    73    74    82    70    70
## 1474          65    69    86    72    69    73    67    71
## 1475          83    85    84    55    84    89    70    53
## 1476          80    78    85    61    77    79    60    42
## 1477          62    67    70    76    51    59    73    79
## 1478          50    53    63    79    47    53    74    77
## 1479          65    68    68    92    45    53    84    74
## 1480          75    73    74    64    79    77    77    66
## 1481          64    61    66    79    58    67    70    79
## 1482          55    54    78    75    57    66    66    60
## 1483          39    40    69    85    32    33    34    77
## 1484          73    68    73    57    77    72    51    65
## 1485          78    77    65    85    63    77    79    80
## 1486          49    53    56    89    50    58    69    85
## 1487          49    52    35    68    39    45    73    13
```

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## 1488          54    68    63    75    61    60    73    75
## 1489          68    63    79    79    69    69    72    72
## 1490          74    75    65    51    80    80    67    53
## 1491          79    86    68    60    77    80    55    47
## 1492          79    73    61    32    90    85    67    42
## 1493          61    64    73    64    66    67    65    70
## 1494          67    69    78    76    57    65    68    73
## 1495          57    60    79    86    67    64    80    72
## 1496          66    67    79    79    60    68    72    71
## 1497          60    55    53    68    67    69    57    59
## 1498          62    65    87    80    62    58    66    68
## 1499          86    86    63    50    79    84    69    61
## 1500          79    82    86    75    64    69    90    77
## 1501          81    82    71    76    65    78    74    47
## 1502          78    85    90    68    73    67    67    66
## 1503          75    74    77    76    76    71    81    65
## 1504          66    61    68    71    66    65    86    72
## 1505          79    86    68    64    72    77    76    74
## 1506          75    73    78    67    71    73    66    71
## 1507          67    68    78    62    41    64    64    60
## 1508          71    75    74    78    62    75    77    55
## 1509          69    69    74    86    46    75    73    76
## 1510          62    62    85    60    73    74    70    72
## 1511          66    66    77    69    63    67    76    69
## 1512          64    66    69    56    78    76    62    52
## 1513          60    53    75    62    70    79    65    70
## 1514          75    71    60    57    81    76    68    55
## 1515          77    75    66    68    64    77    74    68
## 1516          65    67    68    76    53    69    61    81
## 1517          55    56    75    76    53    51    74    78
## 1518          69    75    76    69    58    69    75    68
## 1519          68    66    68    64    78    74    54    48
## 1520          50    45    25    78    48    58    61    20
## 1521          29    34    25    67    30    32    51    17
## 1522          36    33    59    86    34    34    64    74
## 1523          87    85    90    67    67    72    82    68
## 1524          33    50    74    80    56    56    76    75
## 1525          78    81    82    67    86    78    50    60
## 1526          74    76    78    79    58    69    78    79
## 1527          82    78    75    43    90    91    76    68
## 1528          89    88    81    57    80    88    64    68
## 1529          67    65    69    74    56    62    79    71
## 1530          76    74    73    48    80    78    60    46
## 1531          77    80    77    70    75    79    90    74
## 1532          77    73    75    59    73    81    74    57
## 1533          38    33    32    76    31    28    52    16
## 1534          82    81    58    65    81    76    53    57
## 1535          52    55    40    72    30    25    70    11
## 1536          79    82    74    59    84    78    70    56
## 1537          69    75    78    72    68    69    55    60
## 1538          75    66    63    49    77    80    68    43
## 1539          75    77    54    81    58    67    68    75
## 1540          46    44    20    72    58    60    75    12
## 1541          53    54    75    70    63    75    60    65
```

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## 1542          79    77    79    73    90    86    71    70
## 1543          59    60    30    68    63    69    83    12
## 1544          48    46    62    83    37    36    68    75
## 1545          69    68    77    59    77    77    51    54
## 1546          68    74    66    77    60    65    86    80
## 1547          49    36    54    86    60    55    35    61
## 1548          64    76    78    82    57    58    77    63
## 1549          66    59    78    61    59    63    33    47
## 1550          47    35    72    70    63    51    49    59
## 1551          73    72    77    81    69    63    90    76
## 1552          64    55    74    66    74    74    76    68
## 1553          69    73    68    77    64    79    81    74
## 1554          69    69    92    75    66    67    70    63
## 1555          74    68    68    65    72    76    63    63
## 1556          68    63    73    56    82    73    81    63
## 1557          55    58    65    86    34    59    62    81
## 1558          47    41    25    60    60    65    79    13
## 1559          55    46    65    77    68    63    66    69
## 1560          54    77    34    62    28    44    71    11
## 1561          64    55    75    76    55    68    75    76
## 1562          40    41    24    62    45    44    58    13
## 1563          73    73    80    75    74    73    67    57
## 1564          72    74    74    66    83    74    73    41
## 1565          35    38    28    69    35    39    52    12
## 1566          66    61    64    48    85    78    33    43
## 1567          58    55    38    70    53    50    69    12
## 1568          75    70    56    55    82    72    69    55
## 1569          76    77    73    70    65    76    63    53
## 1570          58    55    43    74    65    57    82    12
## 1571          44    46    66    87    32    34    33    80
## 1572          34    54    55    91    34    30    72    74
## 1573          66    48    73    68    67    75    77    65
## 1574          68    61    40    67    75    71    44    56
## 1575          55    53    76    70    59    62    70    83
## 1576          49    53    63    92    41    48    31    81
## 1577          49    39    39    63    63    59    75    21
## 1578          52    54    66    78    57    46    82    74
## 1579          67    69    56    66    78    73    93    88
## 1580          69    63    54    44    91    79    50    33
## 1581          38    32    72    67    65    59    48    63
## 1582          55    62    68    79    58    57    76    80
## 1583          82    80    82    64    78    76    70    60
## 1584          67    54    83    86    53    59    80    72
## 1585          60    66    61    78    60    68    78    80
## 1586          63    65    66    84    67    31    72    76
## 1587          66    68    68    91    75    63    65    61
## 1588          50    34    67    79    33    34    72    83
## 1589          37    39    31    69    40    40    73    11
## 1590          53    55    53    67    60    75    68    66
## 1591          71    74    69    73    87    82    71    34
## 1592          42    34    76    73    71    66    75    65
## 1593          74    64    66    57    84    81    60    56
## 1594          49    53    31    77    28    40    74    13
## 1595          55    55    55    75    65    51    75    74
```

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## 1596          46    50    62    82    42    34    65    80
## 1597          47    34    67    85    34    33    62    81
## 1598          58    59    41    62    57    59    70    13
## 1599          30    34    55    78    34    30    74    76
## 1600          35    45    30    77    27    35    55    14
## 1601          34    34    49    76    50    60    80    78
## 1602          74    75    68    59    58    59    56    56
## 1603          85    80    76    40    82    86    35    28
## 1604          34    56    61    87    29    28    69    70
## 1605          74    73    78    64    66    55    55    70
## 1606          66    64    62    78    56    46    85    78
## 1607          85    83    64    65    62    86    61    64
## 1608          73    75    82    81    73    67    79    68
## 1609          49    60    61    83    53    51    51    73
## 1610          59    77    83    77    60    63    69    72
## 1611          68    77    64    67    69    78    82    73
## 1612          79    82    55    59    78    81    69    56
## 1613          66    68    61    55    81    82    46    44
## 1614          83    77    73    64    74    79    64    60
## 1615          68    70    87    72    61    61    73    72
## 1616          61    67    52    89    41    44    57    75
## 1617          76    78    61    77    59    60    76    75
## 1618          81    82    77    61    77    72    51    68
## 1619          88    82    84    67    83    87    64    60
## 1620          34    38    41    81    41    31    67    10
## 1621          81    72    71    54    67    82    51    51
## 1622          86    78    67    48    88    89    44    44
## 1623          71    72    74    66    77    78    52    71
## 1624          62    78    85    82    69    67    71    73
## 1625          56    61    61    76    63    54    82    72
## 1626          55    64    54    84    48    46    68    77
## 1627          41    51    57    91    38    32    58    77
## 1628          71    77    77    61    72    81    65    66
## 1629          74    83    73    63    76    81    63    66
## 1630          41    46    32    60    48    58    69    12
## 1631          74    78    59    75    56    74    71    74
## 1632          90    88    70    66    83    88    62    45
## 1633          79    77    76    50    79    78    73    64
## 1634          79    75    87    68    69    74    64    59
## 1635          73    78    63    79    67    68    72    68
## 1636          77    75    74    68    69    75    65    58
## 1637          88    87    67    48    83    90    83    39
## 1638          72    71    81    84    68    65    82    74
## 1639          82    83    75    64    74    76    62    59
## 1640          78    76    76    50    92    90    62    52
## 1641          73    72    65    72    65    66    75    69
## 1642          68    69    70    75    53    69    62    74
## 1643          58    66    75    71    64    51    78    76
## 1644          64    68    72    74    54    64    68    79
## 1645          85    87    87    50    82    91    85    41
## 1646          65    66    74    69    67    68    73    61
## 1647          90    86    78    45    81    90    59    45
## 1648          79    75    79    64    93    85    31    32
## 1649          67    66    78    77    65    64    61    69
```

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## 1650          79    77    75    56    87    81    70    65
## 1651          65    69    77    77    54    68    69    65
## 1652          82    83    74    58    79    78    80    52
## 1653          59    59    89    71    67    72    69    58
## 1654          63    63    79    71    68    62    66    56
## 1655          79    80    69    67    73    82    70    67
## 1656          84    78    88    74    86    82    78    56
## 1657          54    51    72    82    57    59    68    75
## 1658          86    90    68    63    90    84    58    41
## 1659          84    83    82    68    69    83    67    72
## 1660          30    35    32    68    22    25    69    15
## 1661          83    81    64    58    82    82    76    74
## 1662          76    74    67    75    60    69    72    70
## 1663          58    58    59    68    59    60    72    16
## 1664          74    69    65    74    54    51    68    70
## 1665          74    82    92    76    70    69    74    69
## 1666          55    57    63    80    48    66    56    78
## 1667          80    84    60    63    78    79    62    69
## 1668          72    69    68    53    87    78    55    28
## 1669          82    81    75    62    82    72    86    69
## 1670          85    86    72    81    66    75    68    64
## 1671          79    79    77    64    75    77    81    68
## 1672          66    67    89    82    67    59    64    68
## 1673          91    88    76    59    74    85    74    64
## 1674          80    78    83    76    61    73    72    64
## 1675          83    75    62    39    83    80    62    53
## 1676          79    75    87    79    78    77    73    52
## 1677          55    65    62    84    44    50    76    74
## 1678          63    68    80    66    58    59    70    62
## 1679          77    75    79    79    69    74    63    58
## 1680          79    85    81    68    72    83    55    67
## 1681          75    69    73    76    65    67    81    75
## 1682          86    86    72    70    78    82    71    68
## 1683          57    68    67    84    48    61    81    84
## 1684          85    85    59    66    59    78    67    64
## 1685          77    74    80    65    76    83    58    42
## 1686          66    66    65    77    71    65    81    72
## 1687          30    34    62    91    29    28    34    82
## 1688          73    71    77    73    67    74    76    74
## 1689          78    76    70    55    86    88    79    50
## 1690          37    37    53    86    52    47    90    77
## 1691          85    85    89    60    84    84    82    62
## 1692          63    66    64    83    52    54    69    78
## 1693          89    92    72    63    70    88    56    51
## 1694          60    62    69    83    46    46    49    68
## 1695          93    91    74    68    93    93    84    49
## 1696          79    79    90    75    76    76    81    58
## 1697          68    68    78    75    75    73    64    60
## 1698          70    74    72    73    68    74    73    77
## 1699          51    66    83    90    35    38    68    82
## 1700          90    91    71    59    69    85    62    56
## 1701          74    70    81    72    74    73    78    73
## 1702          87    83    78    60    69    77    73    56
## 1703          85    83    75    76    74    77    69    60
```

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## 1704          90    88    79    68    83    91    75    62
## 1705          76    75    77    74    70    74    81    63
## 1706          52    54    72    84    51    55    85    79
## 1707          42    48    35    67    45    55    69    24
## 1708          74    73    82    65    79    75    80    57
## 1709          73    72    75    65    75    74    55    63
## 1710          86    84    68    62    57    78    48    57
## 1711          54    52    44    35    57    52    62    15
## 1712          80    76    67    64    80    81    32    40
## 1713          77    79    74    48    79    83    73    59
## 1714          86    87    81    64    85    86    84    61
## 1715          86    89    88    69    76    86    66    58
## 1716          87    86    81    64    79    86    65    56
## 1717          73    68    70    69    72    74    53    42
## 1718          44    50    79    86    44    52    75    66
## 1719          77    74    88    63    92    80    79    55
## 1720          85    86    77    63    83    86    73    56
## 1721          93    93    73    33    92    91    59    55
## 1722          77    79    75    76    63    66    77    69
## 1723          50    55    43    57    55    70    83    20
## 1724          79    69    69    69    61    59    72    73
## 1725          88    76    78    77    68    72    70    74
## 1726          74    72    74    55    78    78    60    51
## 1727          78    80    66    57    72    83    71    52
## 1728          32    47    67    92    26    36    68    73
## 1729          40    66    59    89    40    37    83    82
## 1730          54    61    73    74    64    55    74    74
## 1731          84    79    76    55    83    86    78    55
## 1732          70    67    74    60    80    73    54    58
## 1733          80    78    77    68    66    76    76    56
## 1734          64    73    77    83    59    42    64    77
## 1735          62    65    89    76    60    60    65    70
## 1736          68    69    81    70    74    63    62    74
## 1737          43    41    24    73    57    60    71    18
## 1738          58    70    75    74    67    66    71    68
## 1739          41    43    38    67    45    55    71    12
## 1740          72    76    68    77    61    62    78    73
## 1741          86    83    66    61    80    84    71    68
## 1742          94    89    56    45    92    88    67    50
## 1743          76    69    64    71    81    78    31    59
## 1744          73    74    82    85    52    68    72    71
## 1745          67    70    68    76    53    61    70    72
## 1746          84    74    75    64    78    79    80    56
## 1747          66    62    67    77    31    39    73    81
## 1748          85    81    79    61    76    77    82    77
## 1749          88    95    79    83    54    79    77    68
## 1750          25    21    43    57    57    24    77    18
## 1751          75    77    73    81    62    68    45    66
## 1752          75    67    85    60    90    75    46    56
## 1753          86    83    85    64    76    83    79    60
## 1754          77    78    70    65    68    77    56    55
## 1755          62    60    77    50    82    76    60    39
## 1756          79    75    81    63    87    77    67    33
## 1757          84    83    78    74    80    81    75    70
```

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## 1758          67    69    76    69    70    70    85    67
## 1759          83    78    84    68    91    89    55    53
## 1760          77    80    79    58    82    82    88    73
## 1761          92    82    65    52    72    82    48    61
## 1762          74    74    72    74    78    73    60    48
## 1763          87    86    79    74    74    76    73    67
## 1764          73    67    67    59    69    75    58    43
## 1765          85    81    86    66    79    77    74    54
## 1766          87    86    73    74    77    78    83    70
## 1767          68    53    92    65    85    88    82    55
## 1768          69    69    79    86    62    66    64    65
## 1769          64    68    55    80    52    50    72    71
## 1770          76    79    72    68    75    78    68    67
## 1771          78    79    72    66    76    80    86    76
## 1772          75    76    69    58    76    77    48    49
## 1773          67    74    76    77    62    65    76    77
## 1774          81    77    72    34    90    91    63    51
## 1775          73    76    76    75    63    79    74    73
## 1776          59    63    88    75    60    65    74    70
## 1777          79    79    78    84    58    69    88    74
## 1778          79    76    80    66    81    72    86    61
## 1779          24    34    28    62    28    22    64    12
## 1780          54    65    70    82    44    52    64    75
## 1781          65    64    67    78    52    62    82    73
## 1782          64    76    78    83    67    70    82    75
## 1783          54    66    89    84    58    63    69    75
## 1784          37    35    30    67    34    36    64    14
## 1785          77    76    83    70    65    69    77    69
## 1786          66    55    75    84    59    60    67    65
## 1787          55    69    69    86    55    55    83    80
## 1788          73    75    83    75    69    67    80    59
## 1789          69    73    73    92    31    38    54    80
## 1790          79    79    79    74    70    75    78    64
## 1791          52    62    67    84    54    55    75    74
## 1792          76    74    76    68    76    76    76    54
## 1793          89    85    73    45    84    90    48    33
## 1794          68    78    81    88    42    52    80    78
## 1795          89    88    84    64    82    78    83    57
## 1796          53    65    62    90    54    46    77    79
## 1797          84    83    72    64    74    80    73    58
## 1798          64    66    63    60    67    66    46    53
## 1799          78    82    87    71    72    73    83    65
## 1800          77    74    67    51    79    76    75    66
## 1801          53    60    65    78    61    54    83    71
## 1802          79    85    77    69    63    71    67    67
## 1803          72    77    78    77    72    66    68    70
## 1804          87    85    73    51    85    82    63    49
## 1805          83    83    85    70    80    77    70    63
## 1806          52    51    35    76    46    44    73    11
## 1807          67    69    69    75    73    73    76    69
## 1808          61    71    78    85    39    58    71    76
## 1809          89    79    84    58    91    89    81    55
## 1810          75    72    76    82    69    73    71    70
## 1811          78    77    64    61    78    78    73    50
```

```
## 1812          75    67    69    56    83    86    58    59
## 1813          68    76    77    82    57    64    74    74
## 1814          83    78    73    50    80    91    42    58
## 1815          67    72    83    72    67    63    72    67
## 1816          68    64    73    68    76    73    63    57
## 1817          91    90    74    28    91    85    57    21
## 1818          83    84    83    83    53    68    66    55
## 1819          67    53    68    81    70    56    71    71
## 1820          61    66    74    76    45    74    62    70
## 1821          70    63    71    62    74    76    60    69
## 1822          68    68    84    84    68    68    82    70
## 1823          86    78    88    66    82    88    90    70
## 1824          92    91    72    60    70    86    89    58
## 1825          62    71    60    90    53    53    64    77
## 1826          41    35    30    69    44    31    63    20
## 1827          69    70    73    73    66    70    70    66
## 1828          65    62    74    73    73    57    71    50
## 1829          79    72    83    77    76    85    81    68
## 1830          67    66    75    78    62    74    85    74
## 1831          75    72    73    65    78    78    73    57
## 1832          75    74    64    64    76    79    78    70
## 1833          76    77    69    50    75    77    72    61
## 1834          79    76    66    37    82    83    54    41
## 1835          77    78    83    70    61    72    81    70
## 1836          64    67    69    85    46    48    54    78
## 1837          73    68    73    78    65    70    72    72
## 1838          85    82    80    66    79    83    60    60
## 1839          80    79    69    58    79    83    76    57
## 1840          68    68    80    60    77    74    48    55
## 1841          65    73    65    82    57    58    85    79
## 1842          90    92    75    63    78    87    69    50
## 1843          72    74    90    72    72    66    78    68
## 1844          78    77    86    77    76    72    73    60
## 1845          54    55    78    84    50    50    78    78
## 1846          51    58    63    90    37    49    42    82
## 1847          90    84    72    65    75    83    76    58
## 1848          83    86    83    73    66    76    50    50
## 1849          38    35    75    81    45    54    65    71
## 1850          85    79    81    59    84    83    72    56
## 1851          67    63    75    68    59    70    56    68
## 1852          77    77    84    59    83    84    48    66
## 1853          56    43    44    70    40    45    76    17
## 1854          69    75    85    72    61    76    73    70
## 1855          78    87    79    78    65    75    91    77
## 1856          76    75    74    79    64    67    85    76
## 1857          68    68    85    77    73    65    72    69
## 1858          85    85    83    62    76    77    76    68
## 1859          88    84    72    47    76    90    51    33
## 1860          66    64    56    70    80    74    60    72
## 1861          79    74    79    72    73    76    76    68
## 1862          34    53    61    90    33    32    54    79
## 1863          93    91    77    52    95    93    73    49
## 1864          87    85    71    80    68    84    74    73
## 1865          78    74    89    68    82    76    68    59
```

```
## 1866            70     69      70       75      55      71      73      74
## 1867            89     87      86       72      83      83      83      47
## 1868            84     85      60       56      77      81      56      58
## 1869            67     77      75       84      53      55      75      78
## 1870            90     88      74       78      71      81      51      50
## 1871            83     78      82       75      79      77      71      53
## 1872            70     68      47       57      72      74      67      62
## 1873            60     55      58       71      68      76      65      71
## 1874            39     47      28       67      43      47      72      12
## 1875            64     64      60       74      66      58      76      76
## 1876            75     80      83       59      72      76      73      75
## 1877            78     76      87       69      76      76      70      68
## 1878            84     79      69       55      90      82      34      45
## 1879            76     75      74       68      71      71      73      70
## 1880            69     69      69       79      64      66      76      80
## 1881            59     55      69       75      63      62      82      73
## 1882            68     69      77       78      63      66      66      75
## 1883            77     76      82       67      74      76      84      80
## 1884            89     88      85       65      78      77      86      64
## 1885            69     73      65       77      71      72      83      73
## 1886            84     80      64       71      78      76      86      38
##       Shot_Power Finishing Long_Shots Curve Freekick_Accuracy Penalties
## 1             92        93         90    81                76        85
## 2             85        95         88    89                90        74
## 3             78        89         77    79                84        81
## 4             87        94         86    86                84        85
## 5             25        13         16    14                11        47
## 6             31        13         12    21                19        40
## 7             86        91         82    77                76        81
## 8             91        87         90    86                85        76
## 9             93        90         88    82                82        91
## 10            36        14         17    19                11        27
## 11            79        34         58    56                31        46
## 12            79        81         82    82                79        86
## 13            73        71         82    79                77        80
## 14            70        75         76    84                79        67
## 15            86        92         80    74                62        70
## 16            78        38         71    61                73        71
## 17            79        60         55    73                67        68
## 18            87        90         84    82                72        80
## 19            90        71         88    82                82        76
## 20            81        88         82    84                75        71
## 21            85        83         86    81                84        77
## 22            87        84         85    90                84        84
## 23            84        85         81    78                78        77
## 24            87        75         88    85                84        73
## 25            67        42         43    49                51        50
## 26            71        55         51    65                53        68
## 27            23        10         14    11                10        40
## 28            78        33         49    60                31        50
## 29            57        47         65    77                59        69
## 30            63        46         56    44                47        57
## 31            21        12         11    13                19        23
## 32            39        15         13    20                13        22
```

```
## 33          65        73        74    80              70        71
## 34          22        11        12    13              14        11
## 35          86        82        91    87              86        81
## 36          81        88        79    78              74        82
## 37          74        37        65    56              61        70
## 38          84        77        85    76              68        84
## 39          84        83        88    88              84        78
## 40          71        70        74    83              77        77
## 41          22        10        19    12              14        23
## 42          62        64        51    58              43        69
## 43          86        84        88    86              83        80
## 44          82        88        88    88              82        84
## 45          66        52        58    73              64        64
## 46          83        63        83    78              83        80
## 47          87        77        75    83              64        72
## 48          23         9        14     9               8        23
## 49          77        87        80    81              59        60
## 50          61        60        54    66              68        60
## 51          75        69        82    83              77        75
## 52          64        73        66    77              64        59
## 53          79        73        85    84              79        64
## 54          87        74        79    83              72        73
## 55          84        89        72    62              59        76
## 56          85        85        78    75              74        84
## 57          84        76        86    73              68        63
## 58          83        67        66    80              67        59
## 59          82        65        82    78              78        78
## 60          70        43        41    32              39        49
## 61          83        87        77    79              73        82
## 62          77        76        75    77              81        80
## 63          76        76        73    83              81        78
## 64          78        77        82    86              78        80
## 65          54        27        39    50              31        60
## 66          86        88        80    71              66        82
## 67          81        87        74    74              78        84
## 68          21        15        13    11              15        25
## 69          88        87        76    64              66        80
## 70          78        75        80    85              87        67
## 71          77        69        74    81              74        76
## 72          86        45        66    63              69        60
## 73          71        75        80    80              85        60
## 74          79        70        84    86              91        79
## 75          75        80        70    84              84        81
## 76          76        55        63    61              45        52
## 77          78        76        83    90              91        76
## 78          80        77        81    80              77        78
## 79          79        44        44    37              35        38
## 80          79        78        82    80              72        70
## 81          74        65        66    65              52        56
## 82          21        11        11    17              12        25
## 83          54        32        47    22              49        51
## 84          71        59        60    74              75        65
## 85          75        45        55    61              52        63
## 86          70        45        47    62              77        35
```

```
## 87          84      78      75      81          78      74
## 88          64      41      36      72          47      45
## 89          76      77      73      79          75      72
## 90          52      40      53      46          54      43
## 91          81      89      70      58          45      78
## 92          68      71      79      78          75      61
## 93          72      79      80      86          74      76
## 94          84      71      81      85          76      59
## 95          43      10      12      30          10      26
## 96          24      10      14      24          66      23
## 97          69      53      56      50          39      44
## 98          66      58      52      55          47      54
## 99          78      64      75      68          67      69
## 100         78      57      72      78          59      59
## 101         57      11      20      35          26      39
## 102         88      72      84      81          78      77
## 103         85      68      78      75          74      77
## 104         72      73      74      88          72      71
## 105         84      66      81      72          77      75
## 106         83      78      80      73          76      76
## 107         77      56      71      70          76      75
## 108         84      70      80      68          68      69
## 109         62      48      31      38          52      56
## 110         24      11       9      18          11      21
## 111         24      14      23      23          22      15
## 112         74      65      77      83          81      67
## 113         59      49      24      34          27      41
## 114         24      13      11      13          12      11
## 115         86      60      78      78          74      70
## 116         73      72      77      81          64      73
## 117         76      42      55      63          50      60
## 118         83      85      80      61          54      77
## 119         86      82      85      80          85      89
## 120         55      33      48      46          43      46
## 121         72      37      48      36          44      38
## 122         72      65      66      49          49      54
## 123         24      15      17      19          20      24
## 124         77      72      73      74          67      66
## 125         80      68      73      82          68      55
## 126         53      33      35      49          32      31
## 127         78      88      70      72          58      79
## 128         63      55      63      66          50      60
## 129         85      75      78      70          58      57
## 130         68      73      70      64          49      63
## 131         84      75      81      78          72      63
## 132         79      82      80      80          67      72
## 133         79      52      63      67          57      64
## 134         55      19      15      28          28      33
## 135         77      56      64      48          53      52
## 136         22      13      17      12          15      21
## 137         86      59      75      59          74      66
## 138         77      79      73      76          62      74
## 139         20      18      18      15          14      16
## 140         23      11      17      15          13      21
```

```
## 141          66        36        48    63                22        42
## 142          84        71        80    76                69        65
## 143          79        84        82    83                76        74
## 144          22        13        10    18                12        25
## 145          68        74        66    80                73        65
## 146          72        71        74    78                65        79
## 147          78        73        76    83                69        75
## 148          42        50        35    49                22        52
## 149          71        81        73    81                57        66
## 150          84        75        85    78                78        68
## 151          22         8        14    13                12        20
## 152          76        75        77    77                77        68
## 153          79        64        66    73                42        57
## 154          81        73        75    70                70        75
## 155          57        48        53    53                45        57
## 156          63        28        36    44                33        48
## 157          78        76        80    65                65        62
## 158          83        71        81    77                78        85
## 159          68        46        60    66                58        66
## 160          78        81        80    86                86        75
## 161          81        86        72    66                56        77
## 162          78        84        58    56                45        76
## 163          72        79        72    77                66        70
## 164          84        84        76    70                65        81
## 165          38        12        11    10                16        32
## 166          23        13        12    12                13        24
## 167          80        86        84    85                77        83
## 168          84        86        76    76                70        85
## 169          22        13        21    25                60        23
## 170          77        65        68    76                47        65
## 171          86        60        68    58                73        68
## 172          28        12        12    17                15        40
## 173          92        57        82    52                76        60
## 174          83        84        83    62                68        75
## 175          29        40        29    33                32        43
## 176          80        58        68    55                74        69
## 177          74        77        80    77                79        77
## 178          63        56        66    48                27        53
## 179          64        37        40    34                23        45
## 180          84        70        75    81                82        90
## 181          36        12        14    13                15        26
## 182          72        67        70    78                76        72
## 183          83        79        81    80                75        87
## 184          65        14        19    17                13        68
## 185          68        54        53    80                59        66
## 186          87        72        84    88                85        76
## 187          85        75        83    86                79        72
## 188          74        50        70    68                66        66
## 189          86        84        84    84                81        79
## 190          81        50        74    62                71        75
## 191          24        14        15    11                11        24
## 192          83        70        83    92                78        74
## 193          67        75        78    84                76        62
## 194          72        76        64    77                63        64
```

```
## 195          78        81        72    73                47        72
## 196          44        19        25    30                27        38
## 197          84        82        72    76                54        71
## 198          75        79        74    67                46        52
## 199          42        14        18    12                20        17
## 200          71        78        62    59                60        61
## 201          76        81        66    74                64        71
## 202          78        77        79    82                75        56
## 203          74        77        83    82                68        67
## 204          81        71        80    78                69        65
## 205          83        51        74    72                63        61
## 206          43        34        31    34                28        37
## 207          63        67        54    46                48        42
## 208          20        18        16    12                14        19
## 209          82        76        82    73                79        76
## 210          81        55        64    60                70        62
## 211          29        16        13    12                14        42
## 212          78        81        74    76                44        72
## 213          79        72        71    69                74        75
## 214          77        80        84    83                80        75
## 215          75        37        60    62                56        72
## 216          74        81        80    83                80        74
## 217          88        49        85    68                70        59
## 218          65        25        60    45                16        41
## 219          70        78        79    80                76        74
## 220          74        78        78    85                76        76
## 221          78        65        58    69                30        66
## 222          81        42        70    46                62        78
## 223          70        65        73    76                64        64
## 224          63        33        34    26                18        52
## 225          65        31        59    35                45        62
## 226          80        50        67    33                43        54
## 227          59        37        38    67                46        46
## 228          78        59        72    82                84        83
## 229          84        74        78    82                78        65
## 230          86        86        76    70                51        76
## 231          74        54        69    64                39        46
## 232          85        72        64    66                70        72
## 233          75        64        73    80                72        65
## 234          47        76        55    74                63        78
## 235          22        13        13    14                12        17
## 236          83        76        83    52                73        72
## 237          86        51        68    76                71        63
## 238          76        76        78    80                71        74
## 239          80        46        71    42                45        58
## 240          79        78        77    68                69        75
## 241          82        81        83    86                88        80
## 242          69        75        74    83                78        75
## 243          78        75        71    79                74        78
## 244          75        67        71    80                74        64
## 245          22        23        23    11                11        21
## 246          51        23        38    50                30        40
## 247          83        45        58    43                55        48
## 248          25        10        10    14                10        24
```

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## 249          64        47        53        69                60        49
## 250          86        86        69        65                54        70
## 251          75        65        68        42                35        60
## 252          76        87        69        67                52        76
## 253          87        69        81        83                84        69
## 254          74        59        71        49                47        52
## 255          78        71        74        69                68        81
## 256          71        64        56        68                61        56
## 257          77        78        76        77                76        75
## 258          73        79        78        80                71        72
## 259          21        17        18        14                16        21
## 260          85        58        62        69                66        55
## 261          77        69        78        80                74        58
## 262          78        83        76        83                71        84
## 263          24        20        22        24                21        24
## 264          24        10        19        15                15        21
## 265          77        73        82        82                79        70
## 266          85        66        72        65                55        67
## 267          81        78        68        77                83        76
## 268          74        64        67        59                51        68
## 269          77        52        75        71                76        72
## 270          22        14        15        12                11        15
## 271          65        27        53        53                45        37
## 272          82        84        78        68                36        74
## 273          81        67        76        86                75        83
## 274          22        12        11        10                11        21
## 275          77        81        78        80                73        72
## 276          74        72        78        77                69        69
## 277          68        44        36        50                46        74
## 278          35        19        10        14                71        75
## 279          76        74        77        84                70        84
## 280          83        70        81        70                71        61
## 281          80        86        76        83                80        88
## 282          29        12        10        11                12        26
## 283          71        36        25        39                45        42
## 284          72        33        63        76                51        57
## 285          86        56        85        82                84        80
## 286          78        59        71        68                59        64
## 287          75        58        65        92                93        84
## 288          28        12        13        25                13        24
## 289          73        77        65        74                65        70
## 290          80        75        75        66                73        70
## 291          78        66        79        79                74        69
## 292          78        71        82        78                78        72
## 293          70        20        59        28                30        32
## 294          83        78        83        72                76        80
## 295          79        75        72        75                70        68
## 296          69        69        59        75                72        59
## 297          79        66        76        67                57        68
## 298          76        66        77        76                72        51
## 299          82        82        83        75                76        72
## 300          81        86        67        64                56        77
## 301          69        55        61        65                65        65
## 302          79        58        74        78                68        59
```

```
## 303          19        14        12        24                20        24
## 304          75        75        74        77                70        60
## 305          71        57        62        75                76        84
## 306          82        74        81        80                54        57
## 307          83        83        76        61                46        67
## 308          81        42        74        72                51        39
## 309          74        70        80        83                78        68
## 310          68        74        65        84                75        70
## 311          84        71        84        71                69        53
## 312          35        10        15        10                10        21
## 313          78        84        69        80                77        74
## 314          83        85        82        83                78        79
## 315          80        70        79        68                70        65
## 316          84        81        68        68                54        72
## 317          61        43        42        56                45        52
## 318          85        80        82        80                68        83
## 319          66        61        72        78                72        72
## 320          81        68        69        75                54        50
## 321          64        75        80        84                79        75
## 322          14        11        14        11                15        20
## 323          68        46        64        77                55        56
## 324          73        59        56        77                53        55
## 325          85        83        80        66                58        77
## 326          67        60        69        68                66        58
## 327          78        75        80        82                86        83
## 328          86        81        70        53                52        62
## 329          66        48        50        39                54        62
## 330          85        86        74        51                32        77
## 331          67        57        65        64                64        60
## 332          76        58        54        62                59        48
## 333          79        72        73        66                57        71
## 334          79        73        75        75                76        65
## 335          67        61        57        49                46        41
## 336          84        81        82        79                69        69
## 337          86        83        74        78                78        92
## 338          15        12        14        16                14        18
## 339          78        85        68        64                54        70
## 340          71        69        78        31                44        51
## 341          85        79        76        60                67        77
## 342          87        70        86        67                55        45
## 343          74        51        65        43                57        56
## 344          70        37        59        68                41        50
## 345          77        76        71        76                70        74
## 346          63        41        26        46                37        33
## 347          78        55        41        52                73        46
## 348          78        80        77        66                51        78
## 349          80        67        76        68                74        75
## 350          25        11        12        11                12        25
## 351          74        58        65        82                59        77
## 352          73        43        62        33                40        42
## 353          75        73        74        82                80        65
## 354          77        70        72        83                66        71
## 355          74        69        73        65                61        62
## 356          87        74        87        76                71        86
```

```
## 357          65        25        36    33                17        27
## 358          84        73        80    72                68        76
## 359          80        79        79    73                80        70
## 360          80        75        82    83                79        75
## 361          44        53        28    34                24        48
## 362          72        57        69    64                57        57
## 363          81        65        81    80                75        68
## 364          46        35        35    33                27        52
## 365          76        82        69    76                74        74
## 366          69        40        62    66                47        59
## 367          67        48        54    51                60        57
## 368          76        83        67    72                56        86
## 369          84        82        80    77                70        78
## 370          92        82        81    80                75        83
## 371          85        81        77    68                69        80
## 372          66        49        57    68                66        64
## 373          83        69        77    86                83        84
## 374          24        13        14    10                12        13
## 375          77        84        78    72                69        76
## 376          79        51        74    80                71        60
## 377          22        11        12    11                12        24
## 378          21        11        16    16                12        11
## 379          21        13        18    10                14        13
## 380          88        87        81    63                68        71
## 381          82        54        73    67                67        70
## 382          83        77        73    80                63        74
## 383          14        12        17    16                11        13
## 384          85        82        79    78                84        84
## 385          71        75        73    82                72        67
## 386          61        46        33    44                31        52
## 387          85        84        75    78                72        85
## 388          77        62        75    75                68        57
## 389          73        67        74    86                60        66
## 390          78        75        77    81                62        63
## 391          57        47        51    48                46        50
## 392          84        77        68    80                75        70
## 393          78        69        76    76                81        67
## 394          85        74        71    49                53        64
## 395          19        18        17    14                21        21
## 396          75        73        72    70                52        58
## 397          39        22        29    29                23        26
## 398          79        75        75    79                81        68
## 399          76        75        73    84                70        70
## 400          21        13        14    19                18        23
## 401          75        66        67    76                61        44
## 402          77        74        73    69                52        54
## 403          73        75        69    71                72        69
## 404          81        69        67    75                69        71
## 405          58        33        39    45                25        29
## 406          78        71        75    80                77        44
## 407          75        66        53    71                45        88
## 408          85        83        68    59                48        76
## 409          82        74        77    90                83        74
## 410          72        71        73    74                71        64
```

```
## 411          74        67        62        63                60        54
## 412          46        39        41        32                30        47
## 413          75        53        70        53                45        52
## 414          62        44        48        63                58        53
## 415          73        80        71        70                59        65
## 416          70        27        40        34                56        40
## 417          44        27        22        29                32        47
## 418          76        75        74        82                72        63
## 419          56        47        49        59                60        61
## 420          50        33        29        30                28        45
## 421          52        52        43        63                50        62
## 422          78        79        78        80                73        73
## 423          79        80        74        62                44        75
## 424          79        82        77        76                75        77
## 425          79        74        76        77                73        70
## 426          69        71        67        73                53        62
## 427          79        74        82        75                61        67
## 428          68        37        13        38                26        46
## 429          73        64        68        80                70        67
## 430          69        70        68        77                73        43
## 431          54        32        28        55                37        45
## 432          86        78        86        77                84        78
## 433          85        80        80        79                76        72
## 434          70        62        62        65                49        53
## 435          75        69        74        75                69        62
## 436          65        64        66        70                61        57
## 437          75        74        60        54                51        66
## 438          87        81        89        78                82        72
## 439          78        49        66        42                53        50
## 440          78        76        74        74                50        61
## 441          63        23        27        26                19        42
## 442          80        72        79        83                77        78
## 443          87        57        84        75                77        50
## 444          68        50        59        38                35        55
## 445          40        16        20        12                17        44
## 446          28        15        19        12                13        22
## 447          74        28        39        78                38        23
## 448          87        81        87        78                74        65
## 449          78        73        81        78                78        80
## 450          21        11        13        12                11        22
## 451          72        56        62        66                39        53
## 452          81        73        77        79                56        62
## 453          66        78        61        85                67        68
## 454          77        55        59        57                57        71
## 455          25        19        14        16                16        25
## 456          64        77        68        75                69        81
## 457          75        73        73        75                64        60
## 458          74        75        74        80                63        72
## 459          62        75        75        80                75        77
## 460          38        27        12        15                17        22
## 461          47        22        43        59                34        49
## 462          71        41        57        55                41        52
## 463          74        37        60        74                72        46
## 464          79        78        76        79                80        87
```

```
## 465          77        72        79    80                76        76
## 466          80        82        74    78                64        74
## 467          75        67        78    76                82        80
## 468          84        65        78    72                68        64
## 469          21        10        14    11                10        24
## 470          77        77        70    61                62        70
## 471          76        61        73    70                69        53
## 472          91        55        80    85                81        74
## 473          69        55        56    69                35        45
## 474          80        66        77    84                64        56
## 475          73        66        75    72                64        82
## 476          71        25        46    51                36        39
## 477          79        79        78    75                69        86
## 478          82        82        78    73                71        61
## 479          81        76        72    77                68        77
## 480          82        80        82    85                72        80
## 481          80        75        75    71                68        67
## 482          73        57        62    70                48        58
## 483          80        81        78    80                78        78
## 484          24        14        13    25                25        23
## 485          71        39        61    74                59        61
## 486          64        33        34    37                45        42
## 487          84        52        80    83                82        66
## 488          75        75        75    74                57        71
## 489          72        46        53    33                38        55
## 490          71        23        35    66                47        61
## 491          84        73        77    81                71        67
## 492          63        33        39    48                28        63
## 493          60        57        66    62                45        52
## 494          86        69        70    79                83        64
## 495          70        62        60    70                36        74
## 496          74        58        65    70                71        70
## 497          72        62        74    80                76        59
## 498          59        38        54    74                66        52
## 499          67        38        37    30                35        57
## 500          20        10        14    11                11        19
## 501          78        70        76    77                77        78
## 502          75        40        53    65                62        31
## 503          80        58        76    72                66        55
## 504          50        22        29    33                48        47
## 505          60        16        44    48                35        35
## 506          14        13        20    18                12        22
## 507          27        18        14    15                17        41
## 508          80        85        66    73                56        77
## 509          74        51        59    36                40        79
## 510          81        66        77    67                63        59
## 511          24        13        13    19                13        10
## 512          83        69        80    85                80        75
## 513          19         9        12    14                16        15
## 514          23        17        15    17                13        21
## 515          20        17        13    14                12        22
## 516          85        68        79    81                77        83
## 517          23        14        19    12                14        41
## 518          68        52        67    62                70        62
```

```
## 519          73        63        61    67                64        76
## 520          84        58        73    60                54        68
## 521          82        70        80    82                78        77
## 522          23        14        14    12                13        21
## 523          76        27        70    53                56        56
## 524          69        30        54    55                31        68
## 525          21        10        13    14                11        20
## 526          83        78        80    86                81        84
## 527          77        56        71    78                78        72
## 528          88        81        86    75                90        86
## 529          24        12        18    12                14        24
## 530          68        50        52    60                30        38
## 531          79        79        74    54                55        74
## 532          78        68        72    72                66        38
## 533          84        80        76    69                74        74
## 534          80        61        65    55                46        58
## 535          61        33        47    35                36        55
## 536          76        69        66    63                47        58
## 537          72        39        51    49                37        45
## 538          72        60        75    58                48        55
## 539          72        43        58    22                26        38
## 540          71        65        66    76                56        59
## 541          74        49        54    61                57        58
## 542          69        50        44    37                32        48
## 543          78        81        82    82                65        55
## 544          31        36        20    32                22        38
## 545          84        62        80    69                56        69
## 546          22        19        14    12                20        14
## 547          77        79        69    54                40        65
## 548          54        68        61    74                66        60
## 549          58        56        59    80                49        52
## 550          82        63        79    71                65        51
## 551          75        72        72    78                74        65
## 552          68        47        43    40                30        40
## 553          80        59        66    81                69        46
## 554          60        20        46    36                24        34
## 555          76        64        75    80                65        51
## 556          85        53        75    69                59        59
## 557          69        54        62    76                42        54
## 558          51        71        69    77                64        65
## 559          77        69        69    79                66        67
## 560          78        60        70    68                65        60
## 561          78        51        56    58                51        67
## 562          70        82        75    83                70        69
## 563          25        11        14    25                19        24
## 564          86        77        88    73                59        59
## 565          83        80        78    77                74        63
## 566          80        74        71    74                61        64
## 567          79        80        77    70                56        75
## 568          73        71        65    73                69        57
## 569          76        65        81    79                73        71
## 570          83        84        78    71                74        79
## 571          63        57        62    76                51        53
## 572          75        44        58    70                57        52
```

```
## 573          59        25        40        25                43        52
## 574          46        29        38        46                29        37
## 575          81        34        47        41                40        43
## 576          82        80        76        68                56        80
## 577          70        56        67        60                55        55
## 578          73        63        70        52                54        61
## 579          88        72        81        85                90        66
## 580          76        76        72        74                66        68
## 581          79        71        76        69                56        65
## 582          83        44        72        54                77        70
## 583          27        26        29        49                42        42
## 584          83        80        82        76                69        66
## 585          77        76        78        81                77        73
## 586          80        54        69        73                68        76
## 587          61        51        57        55                46        51
## 588          76        72        77        78                67        74
## 589          80        57        78        66                64        60
## 590          52        25        25        38                17        35
## 591          18        11        10        20                19        20
## 592          77        52        69        68                57        58
## 593          80        81        68        66                59        71
## 594          82        81        86        79                70        71
## 595          63        63        59        59                50        46
## 596          72        75        79        75                79        72
## 597          75        75        75        78                61        86
## 598          69        65        66        83                76        80
## 599          85        61        72        74                76        67
## 600          77        71        75        80                73        61
## 601          77        68        75        67                53        69
## 602          80        65        75        72                61        74
## 603          72        50        66        47                41        43
## 604          79        51        77        65                38        29
## 605          71        65        79        81                77        76
## 606          78        69        70        78                61        79
## 607          86        38        65        43                66        39
## 608          83        82        78        63                71        80
## 609          81        80        84        80                83        75
## 610          67        69        72        73                69        66
## 611          69        28        41        39                34        42
## 612          79        78        73        72                76        73
## 613          75        53        62        67                59        56
## 614          77        79        77        78                73        72
## 615          81        42        63        72                69        66
## 616          76        60        74        63                71        64
## 617          77        35        59        74                74        64
## 618          84        50        64        66                51        66
## 619          86        65        80        68                70        71
## 620          25        12        17        13                16        27
## 621          69        53        62        78                68        50
## 622          76        72        78        80                79        75
## 623          67        27        48        47                48        46
## 624          61        75        76        81                78        66
## 625          61        41        54        76                33        44
## 626          70        49        66        75                51        58
```

```
## 627          71        63        72        78                  76        71
## 628          85        80        73        40                  38        78
## 629          69        41        53        32                  61        65
## 630          73        69        72        75                  72        68
## 631          79        63        65        62                  57        65
## 632          73        46        63        36                  32        54
## 633          58        33        46        37                  28        50
## 634          14        15        12        16                  12        12
## 635          79        79        75        79                  71        79
## 636          72        76        73        64                  71        85
## 637          79        78        66        65                  60        77
## 638          56        42        53        44                  45        52
## 639          68        56        67        70                  67        68
## 640          72        47        65        64                  52        63
## 641          84        54        68        82                  56        61
## 642          79        68        71        57                  68        62
## 643          76        54        68        65                  53        54
## 644          63        58        67        52                  55        66
## 645          36        14        11        14                  14        19
## 646          85        72        71        75                  74        68
## 647          76        58        60        66                  50        63
## 648          61        46        50        36                  39        58
## 649          76        50        62        52                  45        32
## 650          83        61        80        86                  84        73
## 651          25        14        14        19                  15        22
## 652          75        73        72        74                  67        66
## 653          69        70        59        72                  57        53
## 654          81        80        71        76                  73        89
## 655          80        66        77        83                  74        71
## 656          79        80        74        66                  47        70
## 657          81        60        72        53                  32        66
## 658          35        10        12        10                  13        26
## 659          80        76        75        76                  64        70
## 660          84        64        83        78                  78        76
## 661          80        62        78        80                  82        72
## 662          65        42        42        39                  37        35
## 663          45        11        16        16                  12        41
## 664          14        14        11        12                  13        16
## 665          68        56        59        71                  51        68
## 666          63        21        36        31                  24        40
## 667          78        77        73        75                  54        75
## 668          79        70        84        80                  79        71
## 669          72        61        77        83                  79        39
## 670          42        28        25        32                  25        44
## 671          72        23        49        34                  38        50
## 672          77        51        69        70                  78        69
## 673          79        55        74        45                  48        57
## 674          67        38        53        59                  57        48
## 675          74        84        80        78                  72        87
## 676          79        78        64        57                  40        70
## 677          84        80        75        61                  62        83
## 678          74        59        68        74                  61        66
## 679          75        71        76        79                  75        70
## 680          81        75        74        81                  80        79
```

```
## 681          83        71        80    77                70        75
## 682          52        40        32    30                29        30
## 683          82        82        79    72                73        71
## 684          79        62        72    72                71        71
## 685          78        66        76    82                79        76
## 686          55        45        59    42                48        64
## 687          72        73        72    76                78        82
## 688          52        34        43    64                38        45
## 689          81        81        78    73                64        56
## 690          73        45        45    36                48        66
## 691          71        23        41    51                43        45
## 692          67        63        68    62                54        62
## 693          73        74        75    86                79        81
## 694          75        61        70    80                46        56
## 695          73        73        81    81                73        84
## 696          72        54        64    70                62        60
## 697          14        13        19    19                19        20
## 698          77        79        75    76                73        84
## 699          25        12        11    14                17        16
## 700          83        62        78    77                80        75
## 701          85        82        73    66                75        79
## 702          22        12        14    15                13        23
## 703          74        77        80    82                81        67
## 704          71        71        72    72                52        59
## 705          84        70        78    85                80        70
## 706          26        13        15    14                14        33
## 707          38        18        17    11                14        15
## 708          75        76        64    67                65        74
## 709          69        67        72    69                60        58
## 710          73        80        72    76                54        73
## 711          73        73        75    63                53        47
## 712          76        75        66    69                33        77
## 713          77        79        65    68                40        68
## 714          63        72        71    37                36        42
## 715          77        61        82    78                78        43
## 716          48        22        27    34                33        51
## 717          68        75        73    81                75        61
## 718          75        80        65    73                64        69
## 719          79        73        69    60                49        57
## 720          78        71        77    75                34        58
## 721          77        56        58    63                52        64
## 722          79        69        67    64                63        57
## 723          24        20        12    14                21        21
## 724          74        75        80    78                71        68
## 725          60        37        59    66                72        46
## 726          79        79        76    68                71        79
## 727          74        60        70    69                59        59
## 728          45        23        35    26                26        54
## 729          74        80        62    49                40        70
## 730          86        81        64    46                64        64
## 731          82        74        79    78                79        53
## 732          45        39        37    30                35        53
## 733          75        50        67    84                75        63
## 734          71        82        64    62                42        63
```

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## 735          84        79        77    67                52        47
## 736          61        25        29    33                29        45
## 737          74        74        77    80                74        65
## 738          73        49        68    75                80        51
## 739          40        21        25    24                28        35
## 740          74        14        14    65                69        21
## 741          56        52        41    40                34        42
## 742          82        42        52    43                25        44
## 743          66        59        65    66                54        60
## 744          54        41        43    32                25        48
## 745          71        72        69    72                56        65
## 746          62        49        47    46                43        48
## 747          82        56        72    46                25        51
## 748          59        51        43    64                48        54
## 749          76        69        76    71                69        65
## 750          78        13        48    61                63        43
## 751          54        65        77    85                65        51
## 752          78        75        69    70                45        86
## 753          82        70        74    72                69        75
## 754          69        27        73    63                60        60
## 755          84        70        74    68                66        70
## 756          53        41        40    54                51        47
## 757          76        74        77    78                78        80
## 758          73        74        76    76                76        83
## 759          77        73        76    82                55        68
## 760          60        35        33    52                44        45
## 761          90        51        79    90                84        75
## 762          76        36        53    33                58        43
## 763          72        52        66    64                58        68
## 764          12        14        12    16                15        14
## 765          77        82        69    50                49        65
## 766          81        76        76    77                78        76
## 767          78        68        68    72                64        56
## 768          66        23        22    49                31        42
## 769          75        55        65    51                57        51
## 770          80        78        77    69                64        72
## 771          85        79        80    68                80        81
## 772          56        40        40    30                38        38
## 773          77        34        71    80                70        64
## 774          80        67        73    69                76        81
## 775          35        11        30    23                12        25
## 776          75        81        68    75                58        70
## 777          78        48        60    48                39        51
## 778          49        44        59    55                32        38
## 779          79        66        68    62                63        82
## 780          78        80        76    67                63        72
## 781          86        78        77    76                75        80
## 782          83        82        71    59                43        77
## 783          81        78        73    68                46        72
## 784          73        81        67    55                47        63
## 785          88        70        78    62                62        48
## 786          78        71        70    71                68        60
## 787          82        66        84    74                71        69
## 788          80        78        73    72                73        82
```

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## 789          21        15        18        20                  13        20
## 790          68        66        80        76                  72        69
## 791          76        27        66        68                  30        37
## 792          78        50        57        50                  62        53
## 793          58        45        47        58                  52        52
## 794          69        29        55        48                  23        33
## 795          79        66        76        77                  70        70
## 796          80        78        82        86                  76        77
## 797          80        75        79        68                  69        77
## 798          75        73        70        66                  60        73
## 799          54        29        34        35                  43        30
## 800          73        39        39        47                  49        59
## 801          85        65        83        88                  87        74
## 802          61        73        72        78                  69        61
## 803          77        69        76        82                  79        58
## 804          24        13        15        13                  12        22
## 805          81        64        71        62                  49        65
## 806          70        40        45        70                  55        50
## 807          84        66        78        76                  61        55
## 808          82        70        81        76                  68        67
## 809          81        63        77        77                  72        70
## 810          85        73        77        45                  59        75
## 811          67        41        54        36                  33        44
## 812          80        80        64        32                  36        75
## 813          23        10        12        11                  11        19
## 814          76        65        68        76                  64        68
## 815          84        60        82        85                  84        76
## 816          56        39        42        51                  42        52
## 817          79        76        76        76                  78        77
## 818          80        74        74        67                  76        71
## 819          63        62        60        58                  50        52
## 820          60        19        24        39                  34        52
## 821          69        74        74        80                  71        65
## 822          84        82        72        55                  54        64
## 823          63        73        70        81                  58        59
## 824          77        76        76        77                  44        68
## 825          48        18        24        23                  22        38
## 826          81        29        47        33                  58        43
## 827          80        63        73        72                  48        65
## 828          85        77        72        78                  71        68
## 829          86        80        78        68                  36        80
## 830          72        40        66        64                  66        56
## 831          84        72        83        84                  85        85
## 832          85        77        78        53                  42        73
## 833          79        73        82        82                  80        75
## 834          64        48        52        32                  39        64
## 835          76        82        70        72                  42        76
## 836          22        11        16        19                  12        12
## 837          83        73        73        76                  77        76
## 838          77        74        73        74                  75        79
## 839          73        64        68        61                  30        52
## 840          59        40        50        56                  36        50
## 841          60        22        28        38                  24        38
## 842          80        77        68        48                  46        72
```

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## 843          75        70        72    62                46        64
## 844          25        10        17    18                22        12
## 845          76        78        64    68                48        72
## 846          69        56        66    63                38        49
## 847          83        30        58    60                67        14
## 848          82        72        79    87                83        71
## 849          78        67        78    88                84        70
## 850          70        58        51    69                41        51
## 851          75        70        68    75                61        71
## 852          65        72        75    72                59        61
## 853          36        13        12    10                19        22
## 854          78        71        83    84                84        77
## 855          65        56        61    54                61        67
## 856          80        62        69    66                72        59
## 857          76        66        75    70                73        69
## 858          69        63        81    83                76        71
## 859          23        11        14    13                15        42
## 860          57        54        50    39                24        47
## 861          24        13        13    16                13        30
## 862          61        37        44    79                58        63
## 863          76        45        47    30                25        45
## 864          68        38        60    69                44        48
## 865          82        60        77    85                86        85
## 866          75        83        67    64                56        74
## 867          77        68        70    75                67        70
## 868          88        59        85    84                69        59
## 869          14        12        12    15                13        24
## 870          59        49        49    43                42        33
## 871          75        52        66    68                50        69
## 872          82        59        54    55                44        61
## 873          77        48        53    54                63        56
## 874          84        54        84    79                76        76
## 875          87        80        89    76                78        77
## 876          76        77        75    80                78        66
## 877          76        69        69    74                76        69
## 878          81        73        77    69                54        65
## 879          82        46        69    64                69        47
## 880          78        52        68    61                64        62
## 881          70        80        62    78                67        79
## 882          56        46        44    70                61        55
## 883          75        69        73    84                72        65
## 884          74        61        68    71                67        88
## 885          64        69        57    63                55        62
## 886          73        61        66    74                66        71
## 887          20        13        14    19                15        22
## 888          79        78        74    74                65        79
## 889          76        56        54    79                71        65
## 890          70        58        65    65                48        67
## 891          79        68        73    86                85        75
## 892          67        38        56    48                34        44
## 893          23        11        14    23                11        16
## 894          80        79        73    68                38        85
## 895          75        46        54    30                59        54
## 896          30        15        14    12                13        41
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## 897          48        39        35    27                31        46
## 898          82        71        80    84                87        88
## 899          82        81        79    88                75        76
## 900          83        50        67    51                66        76
## 901          72        70        79    85                77        72
## 902          71        39        56    59                50        58
## 903          72        60        70    76                72        76
## 904          74        69        76    89                77        75
## 905          76        82        74    75                65        81
## 906          66        25        45    33                50        50
## 907          69        29        40    46                28        41
## 908          74        76        58    74                58        65
## 909          23         6         9    13                12        16
## 910          85        65        77    59                68        68
## 911          85        76        77    61                55        56
## 912          73        56        72    81                77        67
## 913          72        69        74    76                68        64
## 914          84        74        76    59                67        74
## 915          74        73        68    86                74        73
## 916          52        48        56    55                49        41
## 917          78        45        68    54                49        49
## 918          84        54        77    81                77        77
## 919          21         8         7     9                22        23
## 920          69        24        52    32                65        41
## 921          72        59        61    68                47        42
## 922          74        57        72    69                40        49
## 923          69        41        43    56                50        61
## 924          83        81        68    54                39        81
## 925          51        63        68    58                36        46
## 926          58        39        56    45                51        53
## 927          24        21        15    15                13        23
## 928          70        65        70    76                71        65
## 929          65        67        59    72                54        60
## 930          49        35        32    39                35        45
## 931          83        49        76    76                42        44
## 932          68        64        65    70                50        56
## 933          73        73        75    72                78        66
## 934          80        53        69    60                60        52
## 935          57        59        62    69                61        55
## 936          76        72        73    69                59        64
## 937          25        14        20    13                18        23
## 938          78        74        73    78                65        65
## 939          68        72        72    69                61        64
## 940          74        40        44    22                27        44
## 941          76        60        74    60                58        56
## 942          72        71        74    74                58        67
## 943          80        84        77    83                81        70
## 944          75        30        64    31                36        37
## 945          49        30        41    35                28        50
## 946          40        21        26    33                29        45
## 947          88        66        88    84                74        76
## 948          58        61        71    80                69        75
## 949          19        21        17    16                12        22
## 950          76        58        66    67                56        58
```

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## 951          68        38        60    66                50        46
## 952          69        61        65    65                72        59
## 953          81        74        80    67                57        66
## 954          73        46        64    59                60        59
## 955          61        42        44    47                44        46
## 956          72        55        65    64                50        57
## 957          20        11        17    14                16        20
## 958          73        55        61    57                50        72
## 959          83        75        75    83                66        67
## 960          75        79        76    66                50        55
## 961          81        75        84    75                72        66
## 962          75        79        65    68                70        75
## 963          71        57        67    69                61        62
## 964          78        55        78    68                68        68
## 965          84        77        87    85                84        71
## 966          75        64        68    69                69        66
## 967          75        55        75    67                39        41
## 968          73        71        70    74                76        67
## 969          66        57        44    61                40        46
## 970          75        71        73    77                62        70
## 971          63        68        66    76                58        69
## 972          71        68        73    75                80        61
## 973          83        64        73    80                77        71
## 974          66        28        45    60                54        46
## 975          67        64        66    74                72        72
## 976          68        77        67    69                57        70
## 977          82        73        68    60                54        69
## 978          71        73        77    71                57        54
## 979          21        16        15    20                20        23
## 980          77        73        71    75                77        50
## 981          59        48        47    67                23        42
## 982          78        64        73    72                73        66
## 983          71        68        70    74                73        66
## 984          76        81        68    70                56        73
## 985          66        50        53    60                35        55
## 986          79        30        65    53                39        45
## 987          76        57        54    62                49        43
## 988          80        55        76    79                71        57
## 989          84        73        77    70                81        78
## 990          57        62        60    65                52        58
## 991          49        23        28    48                32        41
## 992          81        73        70    56                62        69
## 993          78        54        68    84                65        46
## 994          80        83        56    49                28        64
## 995          67        40        56    36                38        48
## 996          77        79        62    52                46        86
## 997          77        60        72    76                68        68
## 998          70        37        55    58                42        54
## 999          39        24        22    35                27        42
## 1000         65        33        63    65                29        40
## 1001         37        34        29    28                32        41
## 1002         72        54        70    76                77        69
## 1003         42        33        37    52                43        47
## 1004         65        34        38    39                29        33
```

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## 1005          12          14          20          17                  21          13
## 1006          79          75          64          66                  54          75
## 1007          66          56          57          54                  52          54
## 1008          80          62          76          70                  68          53
## 1009          67          27          52          63                  44          42
## 1010          72          65          64          76                  69          61
## 1011          48          22          26          47                  45          36
## 1012          78          57          78          64                  64          68
## 1013          60          29          41          46                  41          43
## 1014          81          58          72          76                  67          61
## 1015          76          72          75          76                  82          71
## 1016          78          78          73          60                  48          69
## 1017          77          73          74          69                  73          77
## 1018          77          65          64          48                  46          50
## 1019          14          15          12          11                  11          16
## 1020          77          64          75          79                  76          67
## 1021          52          41          49          67                  49          35
## 1022          75          60          73          65                  50          51
## 1023          77          76          74          73                  73          67
## 1024          38          18          16          19                  17          23
## 1025          75          80          73          66                  76          74
## 1026          77          77          65          60                  57          72
## 1027          75          82          72          55                  54          78
## 1028          77          64          74          81                  80          69
## 1029          75          72          75          66                  62          64
## 1030          83          77          79          84                  71          73
## 1031          69          40          59          49                  58          52
## 1032          72          65          74          74                  67          56
## 1033          45          35          47          49                  46          41
## 1034          72          58          53          56                  47          58
## 1035          81          59          71          59                  50          41
## 1036          76          65          76          71                  73          62
## 1037          80          76          71          65                  60          74
## 1038          78          74          73          69                  67          76
## 1039          62          49          64          69                  48          55
## 1040          68          73          75          73                  69          56
## 1041          77          21          70          60                  69          38
## 1042          65          34          30          33                  40          52
## 1043          78          72          75          76                  67          82
## 1044          65          59          63          47                  59          50
## 1045          75          34          65          40                  36          28
## 1046          82          76          77          78                  75          56
## 1047          77          32          66          27                  60          27
## 1048          64          63          67          68                  67          65
## 1049          74          77          67          57                  36          68
## 1050          57          55          43          67                  52          56
## 1051          82          74          78          71                  76          83
## 1052          83          24          68          77                  55          50
## 1053          77          75          68          53                  50          74
## 1054          74          66          70          74                  40          56
## 1055          72          34          57          49                  63          46
## 1056          59          30          44          47                  31          37
## 1057          54          53          51          46                  25          35
## 1058          78          82          60          68                  51          69
```

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## 1059          43          23          17          40                  39          51
## 1060          78          52          69          68                  58          54
## 1061          65          55          53          38                  39          60
## 1062          14          11          15          15                  12          21
## 1063          79          43          55          83                  87          61
## 1064          57          48          51          66                  38          59
## 1065          78          65          76          70                  64          56
## 1066          49          45          47          45                  36          50
## 1067          75          58          72          78                  81          67
## 1068          77          58          70          50                  52          46
## 1069          82          64          75          76                  73          76
## 1070          48          33          41          62                  23          43
## 1071          77          65          74          59                  60          61
## 1072          79          43          71          55                  57          50
## 1073          80          74          68          68                  65          58
## 1074          79          77          75          67                  41          73
## 1075          74          64          75          59                  62          72
## 1076          73          57          67          72                  69          61
## 1077          52          20          22          40                  42          50
## 1078          77          65          72          68                  61          63
## 1079          63          50          57          59                  70          63
## 1080          82          73          82          70                  76          72
## 1081          85          67          81          66                  73          71
## 1082          70          67          66          75                  74          69
## 1083          80          78          72          63                  71          71
## 1084          70          46          68          72                  74          52
## 1085          81          75          74          73                  62          69
## 1086          60          40          36          40                  31          39
## 1087          77          69          68          65                  45          63
## 1088          76          55          64          64                  56          62
## 1089          72          65          69          78                  75          66
## 1090          79          57          80          64                  60          59
## 1091          74          71          62          64                  38          65
## 1092          83          78          80          75                  68          69
## 1093          65          50          67          80                  64          71
## 1094          81          78          80          75                  78          80
## 1095          73          80          41          71                  47          79
## 1096          81          46          74          65                  41          51
## 1097          74          65          59          39                  47          52
## 1098          65          54          59          60                  60          63
## 1099          84          40          79          65                  58          58
## 1100          24          12          11          12                  15          22
## 1101          85          71          78          49                  44          72
## 1102          77          45          66          75                  68          39
## 1103          65          29          60          42                  36          45
## 1104          78          80          65          71                  71          79
## 1105          72          23          58          42                  54          46
## 1106          80          38          73          67                  52          35
## 1107          71          71          63          65                  61          73
## 1108          81          74          71          75                  58          73
## 1109          78          36          79          77                  55          59
## 1110          70          49          59          51                  50          57
## 1111          75          73          65          73                  76          66
## 1112          65          73          69          76                  73          67
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## 1114          73          51          63          75                  54          48
## 1115          72          48          68          52                  58          62
## 1116          85          61          78          69                  71          57
## 1117          25          12          12          23                  10          23
## 1118          63          36          58          68                  38          42
## 1119          52          23          41          33                  23          49
## 1120          65          45          53          71                  64          61
## 1121          76          44          30          39                  41          51
## 1122          74          53          70          43                  53          65
## 1123          61          58          62          79                  70          51
## 1124          81          74          69          58                  48          68
## 1125          79          75          74          64                  55          69
## 1126          47          34          32          32                  38          35
## 1127          84          68          80          79                  75          69
## 1128          76          80          58          65                  46          70
## 1129          82          65          73          64                  71          72
## 1130          84          71          68          66                  68          73
## 1131          76          61          73          76                  78          72
## 1132          25          11          10          13                  16          23
## 1133          75          75          74          58                  42          70
## 1134          73          72          68          74                  72          70
## 1135          59          16          24          31                  18          34
## 1136          23          15          22          25                  15          23
## 1137          76          56          73          74                  69          69
## 1138          78          65          70          78                  52          65
## 1139          45          32          32          45                  46          46
## 1140          81          67          80          84                  84          74
## 1141          69          65          66          78                  60          54
## 1142          75          79          74          69                  29          71
## 1143          74          49          59          57                  58          64
## 1144          82          57          80          61                  71          63
## 1145          76          75          67          54                  37          78
## 1146          21          11          13          13                  15          23
## 1147          78          44          66          39                  69          67
## 1148          80          77          75          64                  56          71
## 1149          88          69          70          67                  76          65
## 1150          76          76          70          70                  54          60
## 1151          76          47          68          66                  67          69
## 1152          20          16          39          19                  52          49
## 1153          79          63          81          74                  71          79
## 1154          78          81          69          69                  66          73
## 1155          83          78          73          78                  53          61
## 1156          24          11          21          20                  11          23
## 1157          49          35          34          26                  25          33
## 1158          82          21          55          44                  33          54
## 1159          69          44          56          48                  39          57
## 1160          70          65          67          70                  75          65
## 1161          73          75          72          65                  65          69
## 1162          42          35          28          42                  39          48
## 1163          74          81          66          60                  53          75
## 1164          76          56          69          70                  69          72
## 1165          76          80          66          75                  48          64
## 1166          68          76          70          79                  70          81
```

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## 1167          85          56          81          64                  68          74
## 1168          68          55          42          57                  41          66
## 1169          25          13          13          15                  14          44
## 1170          29          12          16          15                  22          21
## 1171          81          74          77          82                  82          73
## 1172          74          63          76          78                  76          72
## 1173          80          78          82          81                  79          70
## 1174          63          58          63          73                  69          62
## 1175          72          45          66          62                  61          57
## 1176          66          42          52          62                  49          86
## 1177          23          14          15          11                  15          23
## 1178          73          33          51          44                  53          48
## 1179          76          54          65          67                  77          65
## 1180          49          50          28          48                  46          51
## 1181          25          14          12          11                  15          24
## 1182          71          71          73          84                  81          84
## 1183          12          13          15          13                  11          18
## 1184          51          55          48          61                  58          59
## 1185          83          57          79          86                  80          68
## 1186          24          34          23          40                  21          41
## 1187          75          68          72          67                  59          75
## 1188          79          58          70          69                  54          60
## 1189          79          78          71          66                  49          79
## 1190          52          19          35          14                  18          17
## 1191          77          77          69          67                  66          69
## 1192          62          22          21          23                  11          44
## 1193          20          12          14          12                  13          13
## 1194          75          65          79          77                  78          75
## 1195          77          54          68          59                  60          63
## 1196          79          76          68          69                  44          79
## 1197          76          64          74          79                  78          70
## 1198          37          14          15          11                  17          25
## 1199          60          23          53          38                  29          49
## 1200          18          10          12          11                  11          23
## 1201          22          10          12          16                  13          21
## 1202          89          60          88          64                  69          64
## 1203          25          11          11          14                  10          17
## 1204          79          68          77          81                  80          85
## 1205          70          62          76          64                  57          60
## 1206          39          29          21          28                  34          44
## 1207          66          39          56          62                  37          52
## 1208          82          74          75          86                  75          73
## 1209          65          45          62          47                  44          62
## 1210          65          29          41          36                  30          47
## 1211          55          51          53          51                  52          61
## 1212          34          22          35          21                  30          40
## 1213          21           7           8          12                  23          24
## 1214          15           9          12          12                  13          26
## 1215          42          51          45          54                  57          77
## 1216          72          56          46          48                  73          61
## 1217          71          41          45          54                  48          77
## 1218          74          56          61          72                  58          62
## 1219          43          51          51          54                  50          66
## 1220          79          63          77          75                  73          71
```

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## 1221          76        61        72    82                72        72
## 1222          72        38        60    47                51        56
## 1223          66        66        65    66                52        58
## 1224          84        78        72    46                37        68
## 1225          65        65        54    66                42        63
## 1226          21        12        17    30                17        27
## 1227          40        26        40    46                41        43
## 1228          76        79        66    67                53        74
## 1229          73        41        57    39                46        34
## 1230          76        73        75    74                55        61
## 1231          78        75        77    74                73        69
## 1232          78        59        69    68                79        41
## 1233          80        62        75    67                65        53
## 1234          58        44        32    36                39        63
## 1235          55        42        21    44                39        44
## 1236          75        76        64    63                51        66
## 1237          69        38        61    56                64        53
## 1238          77        68        74    73                51        67
## 1239          62        36        47    38                28        34
## 1240          74        70        69    82                65        60
## 1241          73        76        75    76                62        65
## 1242          84        75        74    71                65        70
## 1243          71        40        68    59                35        59
## 1244          73        26        57    47                63        41
## 1245          64        52        56    57                35        45
## 1246          76        66        69    57                66        56
## 1247          77        75        69    57                35        62
## 1248          59        29        25    26                27        32
## 1249          56        64        66    66                54        56
## 1250          64        23        36    59                29        40
## 1251          77        71        72    81                42        65
## 1252          79        73        68    66                58        59
## 1253          81        71        77    69                74        66
## 1254          68        69        68    66                61        44
## 1255          62        32        43    42                34        43
## 1256          81        56        62    51                58        54
## 1257          50        19        44    26                26        37
## 1258          24        19        15    23                13        24
## 1259          43        33        34    59                38        43
## 1260          76        75        65    48                31        66
## 1261          46        33        37    51                47        53
## 1262          68        71        73    78                75        60
## 1263          72        76        65    58                50        70
## 1264          81        72        75    64                65        65
## 1265          78        75        66    70                45        76
## 1266          60        45        54    32                26        30
## 1267          72        50        73    62                59        52
## 1268          67        33        56    36                32        37
## 1269          67        46        54    60                34        55
## 1270          55        36        34    35                42        43
## 1271          79        66        68    78                51        71
## 1272          70        60        66    61                60        49
## 1273          80        34        63    51                61        60
## 1274          73        67        63    70                56        58
```

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## 1275          66          50          55          43                  35          39
## 1276          78          79          70          59                  59          86
## 1277          75          79          68          71                  61          83
## 1278          47          26          24          28                  32          37
## 1279          66          69          65          62                  62          65
## 1280          75          80          69          69                  55          59
## 1281          81          58          72          72                  73          44
## 1282          81          58          80          70                  76          80
## 1283          19          15          18          12                  21          11
## 1284          75          71          64          65                  55          50
## 1285          76          69          75          87                  80          75
## 1286          60          59          64          51                  46          47
## 1287          65          65          60          79                  62          70
## 1288          80          69          75          83                  84          63
## 1289          75          83          66          65                  56          71
## 1290          62          70          73          69                  56          77
## 1291          70          80          58          68                  69          72
## 1292          69          32          44          75                  51          46
## 1293          79          57          42          29                  28          31
## 1294          46          26          19          32                  32          43
## 1295          46          54          26          29                  36          35
## 1296          52          37          33          53                  43          46
## 1297          80          43          77          51                  71          55
## 1298          76          72          75          83                  78          60
## 1299          66          69          62          69                  71          74
## 1300          77          81          71          66                  44          79
## 1301          76          55          65          65                  66          80
## 1302          76          54          63          59                  41          46
## 1303          74          74          65          69                  55          69
## 1304          79          55          65          64                  68          55
## 1305          74          53          69          61                  68          75
## 1306          46          51          32          29                  36          55
## 1307          59          37          34          63                  45          42
## 1308          84          50          75          69                  50          44
## 1309          75          59          67          57                  43          60
## 1310          58          66          67          70                  65          60
## 1311          59          51          58          48                  43          47
## 1312          75          70          74          41                  42          45
## 1313          21          12          15          21                  12          13
## 1314          75          70          72          75                  65          66
## 1315          73          73          69          75                  69          48
## 1316          80          75          68          41                  46          76
## 1317          71          73          67          77                  68          76
## 1318          68          54          61          67                  55          64
## 1319          79          60          79          71                  55          54
## 1320          65          33          51          75                  39          49
## 1321          68          62          60          78                  59          58
## 1322          69          68          68          71                  60          65
## 1323          83          46          60          65                  68          63
## 1324          76          69          67          77                  65          64
## 1325          74          53          70          86                  79          64
## 1326          80          65          74          59                  40          54
## 1327          79          65          75          72                  65          60
## 1328          73          69          80          82                  77          73
```

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## 1329          31          19          13          18                  16          41
## 1330          77          73          69          72                  63          65
## 1331          75          76          66          49                  41          67
## 1332          70          70          75          67                  73          62
## 1333          76          68          75          78                  76          63
## 1334          46          40          40          40                  44          48
## 1335          59          49          40          68                  44          49
## 1336          81          80          68          63                  61          73
## 1337          52          35          50          31                  41          56
## 1338          73          66          72          74                  72          64
## 1339          18          17          15          10                  14          19
## 1340          69          66          62          64                  52          54
## 1341          45          33          38          39                  50          49
## 1342          73          72          70          76                  76          68
## 1343          73          66          69          79                  72          70
## 1344          71          69          70          73                  59          64
## 1345          58          38          35          33                  39          37
## 1346          74          68          70          77                  66          61
## 1347          84          67          59          69                  46          51
## 1348          59          65          67          76                  72          66
## 1349          44          18          14          22                  13          18
## 1350          78          53          60          63                  43          50
## 1351          72          48          56          42                  36          42
## 1352          68          22          30          59                  37          27
## 1353          83          48          71          58                  63          64
## 1354          75          66          74          81                  78          65
## 1355          59          24          45          32                  28          39
## 1356          74          80          66          71                  67          73
## 1357          86          48          67          63                  60          45
## 1358          73          69          64          83                  48          63
## 1359          53          28          45          52                  34          49
## 1360          55          51          48          52                  57          48
## 1361          75          64          67          73                  60          63
## 1362          79          74          83          84                  70          65
## 1363          77          75          78          73                  80          66
## 1364          71          72          73          68                  70          66
## 1365          74          50          63          56                  62          58
## 1366          83          44          75          77                  81          69
## 1367          82          71          77          78                  73          75
## 1368          53          29          36          47                  58          44
## 1369          72          69          63          74                  76          69
## 1370          21          10          12          12                  11          18
## 1371          82          73          78          85                  81          65
## 1372          75          41          57          36                  41          45
## 1373          64          33          40          40                  34          41
## 1374          75          80          73          69                  64          81
## 1375          73          70          74          75                  76          84
## 1376          72          36          41          34                  65          46
## 1377          43          42          35          35                  27          32
## 1378          77          76          72          76                  51          74
## 1379          73          52          64          64                  60          59
## 1380          74          74          69          71                  77          54
## 1381          57          40          19          29                  23          42
## 1382          70          48          64          63                  43          40
```

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## 1383          74          70          71          72                  67          76
## 1384          76          73          74          77                  71          74
## 1385          23          11          12           7                  13          22
## 1386          82          80          63          64                  60          70
## 1387          75          65          73          76                  77          72
## 1388          69          79          64          62                  45          75
## 1389          64          60          70          76                  60          60
## 1390          81          69          77          72                  56          69
## 1391          79          63          77          75                  61          62
## 1392          74          80          71          69                  75          78
## 1393          36          11          11          11                  20          15
## 1394          76          79          77          56                  51          85
## 1395          76          66          75          73                  72          57
## 1396          70          69          72          73                  78          73
## 1397          74          27          70          38                  58          44
## 1398          35          49          30          38                  35          32
## 1399          70          22          41          31                  37          41
## 1400          68          29          50          49                  40          39
## 1401          80          77          65          48                  39          74
## 1402          68          41          63          66                  42          43
## 1403          68          42          57          58                  56          57
## 1404          23          10          18          14                  19          21
## 1405          80          76          73          62                  50          66
## 1406          72          78          64          53                  62          73
## 1407          65          43          54          75                  69          49
## 1408          68          31          57          58                  51          49
## 1409          22          23          16          15                  12          25
## 1410          77          66          75          79                  69          55
## 1411          46          42          37          66                  40          50
## 1412          56          32          33          42                  40          42
## 1413          72          42          54          70                  45          44
## 1414          71          73          70          72                  69          69
## 1415          65          70          54          69                  59          58
## 1416          74          62          64          72                  63          67
## 1417          49          50          51          67                  62          59
## 1418          76          74          74          75                  72          67
## 1419          82          68          78          82                  80          86
## 1420          56          29          37          67                  39          52
## 1421          80          65          73          55                  54          62
## 1422          74          65          68          81                  77          57
## 1423          64          35          39          42                  43          41
## 1424          69          61          65          68                  46          66
## 1425          63          30          27          36                  22          42
## 1426          77          79          72          66                  53          78
## 1427          25          36          25          55                  64          57
## 1428          85          76          77          47                  56          63
## 1429          48          35          44          43                  50          51
## 1430          84          60          77          72                  73          71
## 1431          57          53          44          34                  27          53
## 1432          23          11          15          12                  19          22
## 1433          71          53          62          75                  69          59
## 1434          74          46          68          74                  43          57
## 1435          73          33          76          54                  59          51
## 1436          20          17          14          15                  18          41
```

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## 1437          72          80          63          73                  72          74
## 1438          82          69          75          80                  77          65
## 1439          66          59          65          72                  68          65
## 1440          74          76          66          56                  56          71
## 1441          30          37          31          47                  52          51
## 1442          59          52          45          56                  29          33
## 1443          62          43          46          59                  55          50
## 1444          76          79          75          71                  72          69
## 1445          70          76          60          70                  60          73
## 1446          74          73          77          64                  51          78
## 1447          81          77          69          56                  48          80
## 1448          78          76          74          69                  63          85
## 1449          84          73          77          76                  79          79
## 1450          64          48          66          42                  50          52
## 1451          80          77          80          66                  69          72
## 1452          79          74          72          70                  49          75
## 1453          76          73          77          72                  65          65
## 1454          76          76          66          65                  61          81
## 1455          77          68          63          77                  69          51
## 1456          84          52          72          63                  77          59
## 1457          70          61          71          72                  68          68
## 1458          64          35          55          48                  41          31
## 1459          76          65          79          77                  78          70
## 1460          74          78          57          67                  41          75
## 1461          73          65          67          45                  55          59
## 1462          70          66          57          67                  47          63
## 1463          79          77          68          53                  54          71
## 1464          55          34          29          39                  28          31
## 1465          74          60          68          55                  22          43
## 1466          69          66          70          76                  78          74
## 1467          63          52          55          56                  54          49
## 1468          69          75          76          72                  75          64
## 1469          70          66          66          78                  65          70
## 1470          18          11          12          15                  18          16
## 1471          79          80          69          38                  44          55
## 1472          78          79          63          54                  45          77
## 1473          76          78          74          73                  70          72
## 1474          80          68          74          71                  65          62
## 1475          70          69          69          64                  56          60
## 1476          71          69          67          82                  71          60
## 1477          71          43          54          52                  43          55
## 1478          45          25          26          43                  53          51
## 1479          51          20          37          23                  39          46
## 1480          80          74          78          76                  72          74
## 1481          80          79          71          57                  57          76
## 1482          72          60          69          74                  70          68
## 1483          65          48          56          45                  57          51
## 1484          59          49          53          67                  59          51
## 1485          78          75          75          63                  66          72
## 1486          79          77          75          60                  64          67
## 1487          23          14          16          11                  12          18
## 1488          28          25          41          28                  31          43
## 1489          85          50          76          59                  68          66
## 1490          76          67          77          81                  77          72
```

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## 1491          75          72          71          83                  74          73
## 1492          63          60          73          82                  74          58
## 1493          58          75          70          81                  69          76
## 1494          51          32          36          67                  56          65
## 1495          82          57          71          70                  69          61
## 1496          59          53          41          35                  30          47
## 1497          78          66          73          80                  76          73
## 1498          66          47          54          52                  41          48
## 1499          80          72          75          75                  68          64
## 1500          76          72          67          73                  52          72
## 1501          70          65          68          72                  62          52
## 1502          50          44          58          53                  50          66
## 1503          68          48          61          62                  59          49
## 1504          47          32          35          38                  36          55
## 1505          71          72          62          59                  63          61
## 1506          70          29          62          77                  65          42
## 1507          68          66          61          68                  60          64
## 1508          80          71          72          84                  85          72
## 1509          81          76          70          66                  69          75
## 1510          79          80          76          72                  70          75
## 1511          70          66          71          70                  73          67
## 1512          69          57          71          74                  73          76
## 1513          71          69          71          67                  68          71
## 1514          72          68          69          72                  69          64
## 1515          74          74          69          76                  57          67
## 1516          78          74          73          76                  71          72
## 1517          40          29          29          33                  31          43
## 1518          80          56          59          82                  68          82
## 1519          74          58          74          76                  78          72
## 1520          24          11          20          11                  12          31
## 1521          22          12          15          14                  13          12
## 1522          62          33          31          44                  50          49
## 1523          70          59          74          67                  51          57
## 1524          38          43          37          44                  41          36
## 1525          56          61          50          50                  49          55
## 1526          74          40          75          64                  62          52
## 1527          75          72          73          58                  69          65
## 1528          74          75          65          69                  69          82
## 1529          63          23          41          47                  35          31
## 1530          77          77          79          79                  83          66
## 1531          76          76          72          74                  71          74
## 1532          64          61          65          70                  71          56
## 1533          15          12          14          19                  15          24
## 1534          70          72          68          72                  61          63
## 1535          24          17          11          13                  12          35
## 1536          81          69          79          73                  71          63
## 1537          82          58          70          68                  50          60
## 1538          73          75          77          73                  67          75
## 1539          84          76          82          83                  82          66
## 1540          38          20          18          11                  14          37
## 1541          75          74          75          73                  71          72
## 1542          75          71          69          76                  67          77
## 1543          24          14          12          14                  14          24
## 1544          62          20          48          46                  50          48
```

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## 1545          80          72          78          64                  63          69
## 1546          66          39          47          42                  47          44
## 1547          74          46          51          56                  67          90
## 1548          84          37          51          65                  51          53
## 1549          77          59          73          81                  72          63
## 1550          72          60          74          81                  80          80
## 1551          64          43          52          25                  55          70
## 1552          77          61          77          60                  74          66
## 1553          73          77          68          66                  56          73
## 1554          67          51          55          57                  55          50
## 1555          75          71          74          77                  76          81
## 1556          75          66          70          61                  77          61
## 1557          72          80          68          66                  54          81
## 1558          23          15          17          14                  12          23
## 1559          85          74          81          79                  76          83
## 1560          17          11          15          12                  13          19
## 1561          66          56          59          63                  57          59
## 1562          16          11          13          13                  12          14
## 1563          75          66          72          82                  75          70
## 1564          77          69          74          76                  78          73
## 1565          22          14          15          12                  12          24
## 1566          70          66          69          65                  67          77
## 1567          16          13          12          20                  11          18
## 1568          73          72          73          81                  72          89
## 1569          81          61          67          73                  61          50
## 1570          22          13          22          24                  12          21
## 1571          42          32          25          32                  38          36
## 1572          47          14          32          24                  27          46
## 1573          79          47          70          57                  70          70
## 1574          80          73          81          83                  75          78
## 1575          77          65          73          65                  47          62
## 1576          78          80          73          53                  53          81
## 1577          21          12          14          11                  12          10
## 1578          49          35          39          37                  23          41
## 1579          68          83          40          63                  40          85
## 1580          78          56          78          80                  75          79
## 1581          75          61          71          75                  76          76
## 1582          67          22          24          49                  43          30
## 1583          73          52          68          78                  32          40
## 1584          70          48          55          30                  44          49
## 1585          80          80          50          61                  64          74
## 1586          73          56          66          60                  65          57
## 1587          79          67          69          73                  70          76
## 1588          44          50          30          39                  33          49
## 1589          21          11          15          13                  19          21
## 1590          81          61          80          80                  75          73
## 1591          68          69          55          61                  28          63
## 1592          75          58          71          70                  71          78
## 1593          75          67          71          75                  76          63
## 1594          24          11          12          10                  15          22
## 1595          56          16          39          55                  33          49
## 1596          61          56          57          59                  60          51
## 1597          70          38          51          29                  64          51
## 1598          25          17          15          20                  24          35
```

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## 1599          69        22        30    40                31        30
## 1600          13        11        11    13                13        23
## 1601          72        30        51    24                24        47
## 1602          69        70        73    69                77        80
## 1603          75        70        60    70                54        56
## 1604          66        27        43    29                47        38
## 1605          40        30        34    32                40        38
## 1606          45        27        22    30                29        43
## 1607          73        74        70    65                63        77
## 1608          69        67        60    55                45        69
## 1609          60        30        42    62                49        42
## 1610          78        75        73    63                59        74
## 1611          75        75        74    79                60        74
## 1612          61        73        73    61                66        76
## 1613          66        71        70    56                55        72
## 1614          71        66        72    87                61        67
## 1615          72        57        67    57                54        66
## 1616          55        31        44    38                39        51
## 1617          79        50        76    52                70        66
## 1618          54        52        53    61                62        63
## 1619          70        60        61    84                77        67
## 1620          23         8         7     8                 7        21
## 1621          55        64        62    72                73        71
## 1622          53        71        61    56                57        61
## 1623          51        61        56    75                55        61
## 1624          75        68        70    64                68        72
## 1625          61        43        54    47                55        66
## 1626          51        48        58    69                67        46
## 1627          46        44        45    52                50        63
## 1628          34        51        51    51                52        66
## 1629          68        48        56    61                43        72
## 1630          20        10        14    20                10        29
## 1631          82        75        77    64                70        62
## 1632          75        67        71    59                47        53
## 1633          73        76        68    65                46        56
## 1634          74        71        73    75                75        68
## 1635          85        75        77    67                70        71
## 1636          62        50        46    71                49        59
## 1637          72        71        54    62                58        48
## 1638          78        42        64    36                45        48
## 1639          74        60        73    71                50        50
## 1640          76        58        66    71                50        55
## 1641          47        25        27    28                32        43
## 1642          75        66        77    54                75        51
## 1643          43        35        25    33                38        43
## 1644          63        62        67    68                69        58
## 1645          73        65        72    68                56        63
## 1646          77        59        74    75                70        59
## 1647          75        72        81    71                77        59
## 1648          62        50        59    62                32        48
## 1649          71        65        72    62                68        65
## 1650          75        31        34    67                37        45
## 1651          77        68        75    69                57        61
## 1652          74        60        65    74                76        63
```

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## 1653          76        51        78    66                63        58
## 1654          60        52        55    65                46        51
## 1655          69        68        72    76                68        66
## 1656          80        58        72    68                60        60
## 1657          65        41        60    37                43        51
## 1658          77        70        70    74                80        68
## 1659          74        77        71    49                40        67
## 1660          25        12        19    18                13        22
## 1661          72        77        76    82                67        66
## 1662          79        76        74    69                63        71
## 1663          42        11        22    25                13        25
## 1664          58        23        35    25                27        43
## 1665          82        38        72    71                69        43
## 1666          74        78        68    66                22        59
## 1667          72        76        73    60                45        66
## 1668          65        74        62    66                59        64
## 1669          68        48        58    71                34        47
## 1670          75        72        66    72                33        68
## 1671          77        66        62    68                49        66
## 1672          78        62        77    60                66        57
## 1673          68        62        71    63                51        69
## 1674          74        37        43    60                40        45
## 1675          80        69        75    77                72        66
## 1676          76        46        78    63                65        51
## 1677          56        14        22    20                22        27
## 1678          64        55        50    45                44        55
## 1679          75        60        74    61                42        56
## 1680          67        59        61    68                30        55
## 1681          65        51        39    45                30        44
## 1682          74        76        67    72                52        70
## 1683          80        76        66    39                52        64
## 1684          72        79        73    67                64        66
## 1685          78        61        75    82                79        74
## 1686          59        44        55    56                32        54
## 1687          33        26        23    29                32        62
## 1688          77        75        74    69                74        71
## 1689          73        64        65    74                73        67
## 1690          42        25        25    27                29        69
## 1691          78        58        68    68                58        46
## 1692          70        48        62    73                68        66
## 1693          71        70        67    61                40        54
## 1694          27        22        26    30                32        30
## 1695          70        67        61    41                31        62
## 1696          80        56        71    67                68        58
## 1697          76        52        73    69                70        51
## 1698          75        76        75    46                40        70
## 1699          77        75        63    46                29        62
## 1700          67        64        63    70                58        65
## 1701          66        51        57    52                34        54
## 1702          78        51        73    71                51        62
## 1703          77        69        71    69                48        49
## 1704          67        75        62    63                61        70
## 1705          72        58        67    68                41        46
## 1706          45        43        39    27                31        34
```

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## 1707          25          16          13          25                  23          46
## 1708          64          60          61          62                  35          50
## 1709          75          66          75          67                  69          52
## 1710          71          66          66          72                  65          49
## 1711          25          18          15          18                  13          22
## 1712          74          69          74          69                  77          80
## 1713          79          49          70          68                  69          53
## 1714          73          68          72          72                  69          55
## 1715          66          47          55          67                  54          50
## 1716          71          66          69          72                  61          61
## 1717          68          63          65          63                  58          64
## 1718          66          23          37          56                  28          40
## 1719          70          40          67          60                  62          62
## 1720          70          68          66          69                  33          67
## 1721          70          66          65          65                  41          67
## 1722          63          41          56          63                  59          48
## 1723          23          13          12          25                  20          25
## 1724          68          40          41          45                  22          35
## 1725          76          75          71          63                  39          67
## 1726          74          68          72          68                  71          62
## 1727          79          77          79          66                  52          70
## 1728          54          51          31          32                  45          42
## 1729          73          42          31          33                  31          40
## 1730          43          36          29          42                  23          32
## 1731          77          75          73          72                  68          70
## 1732          58          61          56          56                  48          60
## 1733          66          34          60          61                  29          36
## 1734          65          38          42          28                  29          37
## 1735          75          54          72          62                  75          60
## 1736          67          59          61          51                  62          71
## 1737          22          10          14          14                  20          20
## 1738          52          47          56          59                  49          54
## 1739          20          13          19          14                  18          26
## 1740          80          76          62          59                  46          62
## 1741          73          79          72          50                  75          73
## 1742          72          65          66          70                  44          73
## 1743          75          70          81          79                  66          67
## 1744          78          38          72          43                  48          51
## 1745          43          39          34          31                  33          41
## 1746          64          40          51          65                  45          55
## 1747          58          22          50          36                  59          68
## 1748          75          76          66          74                  42          66
## 1749          81          64          70          72                  64          70
## 1750          25          12          19           9                  12          27
## 1751          83          74          75          52                  54          69
## 1752          73          65          73          72                  69          72
## 1753          69          58          66          65                  62          66
## 1754          76          72          70          69                  66          65
## 1755          64          64          71          75                  72          66
## 1756          77          54          72          69                  64          55
## 1757          75          76          63          81                  79          69
## 1758          58          39          52          64                  49          50
## 1759          78          51          77          75                  60          60
## 1760          75          77          72          75                  76          68
```

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## 1761          73          77          71          63                  64          55
## 1762          76          58          78          74                  74          68
## 1763          69          59          65          73                  56          51
## 1764          68          72          69          74                  69          64
## 1765          61          35          46          69                  58          55
## 1766          72          79          64          67                  62          72
## 1767          64          21          36          62                  62          58
## 1768          82          50          77          68                  70          65
## 1769          65          25          58          39                  31          36
## 1770          72          77          73          69                  68          77
## 1771          70          71          66          68                  64          65
## 1772          67          66          67          62                  61          56
## 1773          76          54          62          51                  56          44
## 1774          65          65          64          75                  73          67
## 1775          76          75          71          58                  61          80
## 1776          75          56          61          75                  62          59
## 1777          62          20          35          48                  36          37
## 1778          49          32          37          59                  50          51
## 1779          12          12          17          18                  16          20
## 1780          42          37          12          23                  28          36
## 1781          63          28          47          51                  51          42
## 1782          69          39          57          42                  34          35
## 1783          83          54          73          63                  67          75
## 1784          38          16          18          17                  17          22
## 1785          72          49          68          62                  40          49
## 1786          60          25          43          49                  53          54
## 1787          78          78          68          68                  36          72
## 1788          78          59          55          58                  45          43
## 1789          74          75          69          40                  36          78
## 1790          73          48          58          70                  62          60
## 1791          52          20          36          30                  34          49
## 1792          78          60          74          70                  66          68
## 1793          71          67          71          69                  65          60
## 1794          78          45          58          45                  55          62
## 1795          76          32          48          67                  54          54
## 1796          87          75          73          65                  68          75
## 1797          75          72          68          72                  59          65
## 1798          86          66          83          75                  81          74
## 1799          64          36          55          61                  42          48
## 1800          68          71          67          60                  57          62
## 1801          45          44          15          40                  32          37
## 1802          61          38          49          56                  55          58
## 1803          67          40          53          55                  46          51
## 1804          72          72          60          70                  60          50
## 1805          69          61          62          65                  59          71
## 1806          18          12          20          15                  12          23
## 1807          58          45          46          28                  47          45
## 1808          77          74          67          74                  68          66
## 1809          71          46          53          68                  52          44
## 1810          83          76          75          37                  75          75
## 1811          67          64          63          76                  69          69
## 1812          80          67          73          69                  71          71
## 1813          42          32          23          59                  25          50
## 1814          74          70          73          75                  78          72
```

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## 1815          64          43          48          45                  36          48
## 1816          77          45          64          60                  61          47
## 1817          72          71          68          76                  64          64
## 1818          76          62          64          68                  52          53
## 1819          47          24          16          22                  22          20
## 1820          75          75          72          76                  77          75
## 1821          80          71          79          79                  72          59
## 1822          78          64          74          69                  65          65
## 1823          76          60          74          64                  50          58
## 1824          73          74          63          81                  73          62
## 1825          83          76          65          40                  58          73
## 1826          39          16          19          18                  19          25
## 1827          79          73          77          71                  63          59
## 1828          54          35          58          47                  56          47
## 1829          82          61          74          48                  64          52
## 1830          50          34          41          38                  33          54
## 1831          67          31          52          71                  59          62
## 1832          74          64          66          71                  53          70
## 1833          68          36          49          68                  36          41
## 1834          63          73          71          72                  60          59
## 1835          75          66          67          75                  71          59
## 1836          85          25          69          76                  79          69
## 1837          60          46          57          66                  51          45
## 1838          73          42          66          72                  60          42
## 1839          75          71          72          73                  62          63
## 1840          72          64          71          70                  66          69
## 1841          85          75          69          58                  58          72
## 1842          72          72          69          73                  57          60
## 1843          64          61          62          61                  45          56
## 1844          60          46          53          67                  47          48
## 1845          77          45          73          66                  55          60
## 1846          85          76          62          51                  47          83
## 1847          78          72          73          72                  74          65
## 1848          82          69          76          74                  58          53
## 1849          81          56          49          73                  72          69
## 1850          72          45          58          57                  60          60
## 1851          70          80          76          74                  80          80
## 1852          74          72          70          75                  65          66
## 1853          30          23          25          18                  19          20
## 1854          73          57          69          70                  58          58
## 1855          76          71          67          68                  49          61
## 1856          42          26          31          36                  36          38
## 1857          72          64          69          69                  58          57
## 1858          62          54          60          75                  70          70
## 1859          75          66          77          75                  64          64
## 1860          80          59          76          74                  78          74
## 1861          83          63          78          74                  75          73
## 1862          66          23          36          36                  27          44
## 1863          68          75          65          79                  70          76
## 1864          73          73          68          78                  60          81
## 1865          76          46          68          68                  68          64
## 1866          72          76          71          69                  65          68
## 1867          85          55          68          66                  57          36
## 1868          73          73          68          69                  70          60
```

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## 1869          70         30          60     59                 38         39
## 1870          80         68          74     65                 48         61
## 1871          85         61          83     81                 77         63
## 1872          73         71          74     74                 70         68
## 1873          82         62          79     76                 80         73
## 1874          18         13          19     16                 14         14
## 1875          75         28          62     41                 70         64
## 1876          69         68          76     73                 78         85
## 1877          74         57          70     74                 63         62
## 1878          73         59          68     79                 80         69
## 1879          68         45          52     43                 28         47
## 1880          80         76          62     59                 55         70
## 1881          75         41          74     80                 74         66
## 1882          68         46          63     43                 34         40
## 1883          60         50          39     52                 58         51
## 1884          70         61          64     38                 61         46
## 1885          36         33          31     47                 44         52
## 1886          81         75          78     70                 72         79
##       Volleys GK_Positioning GK_Diving GK_Kicking GK_Handling GK_Reflexes
## 1          88             14         7         15          11           11
## 2          85             14         6         15          11            8
## 3          83             15         9         15           9           11
## 4          88             33        27         31          25           37
## 5          11             91        89         95          90           89
## 6          13             86        88         87          85           90
## 7          86              8        15         12           6           10
## 8          76              5        15         11          15            6
## 9          93              9        13         10          15           12
## 10         12             86        84         69          91           89
## 11         53              6         7         15          12            5
## 12         79              8        11          6          12            8
## 13         74             14        13          7           9            9
## 14         77              6         6         10          14           14
## 15         88              5         5          7          12           10
## 16         63              9         9          5          12           10
## 17         66              7        11          9           8           11
## 18         85             11        13          6          15           14
## 19         84              4         5          2           6            3
## 20         87             13        14         14           8           14
## 21         82             10        15          5          13           13
## 22         88             13        12         13          12           11
## 23         83             12        10         15          10           13
## 24         82              7        10         13          11           10
## 25         47              5         6         15           8           15
## 26         60              5        15         10           6            6
## 27         11             82        87         68          87           90
## 28         45              4         3          2           3            3
## 29         66             14        11          5          12            5
## 30         23              9         8          5          15           10
## 31         17             85        83         77          90           85
## 32         17             90        87         68          88           84
## 33         74             13         6          6          13            7
## 34         13             87        83         77          90           82
## 35         91              5        15         15          15           14
```

```
## 36          86              9          6          15          9          9
## 37          55              2          2           3          2          4
## 38          78              2          4           4          2          4
## 39          80              5         14          12         11          9
## 40          80              1          1           1          1          1
## 41          12             86         86          69         89         86
## 42          57             15         10          14         11          8
## 43          86              5         10          11          8         15
## 44          88              5          5           4          4          8
## 45          64             15         12          15         12         10
## 46          68             15          5          14          7          9
## 47          81              5          5          14         11          7
## 48          10             85         85          76         86         83
## 49          83             14          6          11          7         14
## 50          44              9          5          13          8         13
## 51          90              9          6           7         11         13
## 52          60              6         13          13         15         13
## 53          75             14         12           9          7          6
## 54          77             12         10          11          7         11
## 55          82              8         11          12         13         11
## 56          84             13         12          13          5         10
## 57          75              8         11          14         11         11
## 58          54              5         12           5          5          9
## 59          76              2          4           4          3          4
## 60          51             13         12          10          6         12
## 61          79              5         13           5         11          7
## 62          81             15          6           8         10         15
## 63          80              7         15           9          6         10
## 64          72              7          6           5          9         15
## 65          35              2          4           4          2          4
## 66          70             14          8          11         10         11
## 67          82              5         11           9          6          6
## 68          11             80         87          72         82         85
## 69          76              7          8          14         15         10
## 70          69              7          9           7         14          6
## 71          75              5         11           5         14         13
## 72          38             16         16          14          6         14
## 73          59              7         14          13         12         13
## 74          71              7          7          13          7          8
## 75          71              5          9          14         10          8
## 76          61             11          5           9         12          8
## 77          79             14         11           9         15         12
## 78          70             10          7           8         10          4
## 79          46             12          6           5          8          5
## 80          79             14          8           4          6         14
## 81          72             10          8           5         11         14
## 82          13             85         82          77         84         87
## 83          35             11         13           9         11          7
## 84          56              9         11           9         15          5
## 85          46              8         10           5          9          6
## 86          40             14         10           5         11          5
## 87          68             10          9           9         11         10
## 88          34              9         13          15         13         15
## 89          71             11         15          13          9          6
```

```
## 90        42          5        11         9        11        14
## 91        81          7        13         5         9         9
## 92        74          9         8        14         4        10
## 93        64         15        10        12         8         6
## 94        56         10        14         5        12        13
## 95        16         15         8         8         6        12
## 96        13         83        82        79        79        84
## 97        56         11        12         8         5        12
## 98        51         10        11        15         9         6
## 99        74         14         7        12        15         9
## 100       68         12         7         9         7         5
## 101       17          8        10         5        14        10
## 102       73         12        13         9        15         5
## 103       63          6         7        11        12         7
## 104       81          7         8         9        11         5
## 105       48         11        13         9        10         8
## 106       80          9         6        10         7         6
## 107       67          7        11        10        12        14
## 108       76         15        11         5         9         8
## 109       38         10        14         9         6         7
## 110       11         85        83        51        86        87
## 111       22         82        86        76        83        85
## 112       65          7        13         7         8        10
## 113       31          7         7         8         4        11
## 114       13         80        86        77        80        85
## 115       68          6         5         9        11         7
## 116       80         12        11        11         7        11
## 117       51          5         6         8        10         5
## 118       84         15        14         9        10         9
## 119       68         12        13         6        14         8
## 120       36          9        14        10        14         8
## 121       30         10         9         7        11        15
## 122       56          7        15        10        12        10
## 123       16         82        85        75        79        86
## 124       69          8         6         8        15         8
## 125       63         14        12         6         9         8
## 126       31         10         6        12         6        13
## 127       82          5        12         8        12         8
## 128       57         14         6         5         6        14
## 129       72         11        10         7        12        10
## 130       59         15        15        12        12         9
## 131       84         13        11         5        13         8
## 132       78          6         8         9        11        10
## 133       49         15         7        12         8        10
## 134       14         13         7         7        11         5
## 135       56         14         9        13         7        15
## 136       14         82        80        83        82        84
## 137       53         12        13        16        14        12
## 138       75         14        11         8        16        16
## 139       13         77        86        80        79        87
## 140       19         78        80        71        85        90
## 141       50          7        11        10        15        10
## 142       73          6         5        13         5         9
## 143       86         12        12         9        16        13
```

```
## 144        14          78        84        83        81        85
## 145        87           6        14        12         7        10
## 146        67           9         9        15        12         8
## 147        78          10        14         6         9        12
## 148        54          15        10        16        15        15
## 149        70          15         5        12        11         9
## 150        78          15        10         7        14        14
## 151        13          80        83        73        82        85
## 152        63          12        12        15        10        12
## 153        55          16         7        16        16        13
## 154        79          10         6         5        11         8
## 155        36           6         5        12        11        12
## 156        55          12        11        11         8        15
## 157        84          11         8        14         5        11
## 158        78          10        15         8         6         7
## 159        54           6        13        10         9         5
## 160        70           3         6         6         3         3
## 161        87           6        10        11        11         8
## 162        86           8        10         5         8        15
## 163        72           8         6        14        15        11
## 164        82           6        12        11        15         5
## 165        17          79        85        80        81        82
## 166         8          80        81        83        82        83
## 167        85           8        12         7        11         5
## 168        78           8         6         8        10         6
## 169        11          77        82        87        84        82
## 170        67           6        14        14        11        12
## 171        52          12         6         9        10         7
## 172        12          80        83        74        81        84
## 173        60           8        14        14        10        14
## 174        76           5         7         9        15        13
## 175        34          10         7        16        11         6
## 176        49          13        14        13         6        14
## 177        72           1         1         1         1         1
## 178        47           5         5         9        12        12
## 179        34           7         7        16        10        10
## 180        63          13         8        10        15        12
## 181        15          80        83        86        80        85
## 182        70           8         5        10         4         7
## 183        75          13        12         9         8        12
## 184        19          81        83        75        80        85
## 185        49          15        11        10        14         7
## 186        80          11         9        13         5        12
## 187        75           6         5        13        10         6
## 188        62           3         4         2         3         2
## 189        85           8        10        13        11         7
## 190        74          10        10        13         7         9
## 191        11          82        80        82        83        82
## 192        80           5        12        10        14        15
## 193        76          12        13         6         9        10
## 194        65          12         9        14        10         9
## 195        79          15        10         6         9        11
## 196        24           9        11         7         8        14
## 197        74          15         9         8         8        11
```

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## 198        71          11        7         9         6         8
## 199        18          78       81        82        76        87
## 200        69          11       14         9        14        14
## 201        66           7       10        15        10        14
## 202        54           9        9         9        16         7
## 203        79           9       14        13        15         7
## 204        63           7        9        12        14         8
## 205        70          12       15        14        10        15
## 206        27          13       14        14        13        12
## 207        34          11       15         7         8         9
## 208        14          79       84        76        75        85
## 209        87          11        9        10         8        10
## 210        45          11       13        13        10        11
## 211        12          79       81        73        83        85
## 212        80           4        4         4         5         5
## 213        70           7        9        14        10        14
## 214        67           9        5        15        11         9
## 215        39          13       11         9         9        11
## 216        65           8       10        12        15         8
## 217        50           7        7        11         8        13
## 218        27          14        8         7        10        13
## 219        57          14       16         9        16         9
## 220        77           9       15         9        14        15
## 221        50          16        7        15        10         9
## 222        40           6       15         8        14         7
## 223        58           6       13         7        11        16
## 224        42          10       14        13        14         7
## 225        61           6       14         9         7         6
## 226        32          12        8         8         6        13
## 227        39           6       12         6         8        14
## 228        67          14       14        14        13        11
## 229        76          11       13        12        12        11
## 230        81          12        6        15         8         6
## 231        45          15       10        13        11         7
## 232        66          15       14         6        11         8
## 233        64           9        6        15        15        11
## 234        75           9       11         8         9        13
## 235        12          80       83        79        79        84
## 236        82          15        7        11         7        13
## 237        57          15       12        16         6         8
## 238        66           8        6        13        13         9
## 239        54          12       10        11         6        13
## 240        66           9       16        13        11         8
## 241        75          15       13        10         8        12
## 242        73           7       13        12        16         7
## 243        79          10       14        10        15        15
## 244        72           9        7         7        13        13
## 245        14          80       80        70        83        84
## 246        20           7       14         9        12         8
## 247        45           5        5         5         3         3
## 248        10          83       81        75        75        85
## 249        38          14       15        12         9         6
## 250        75          15        9        13        11        15
## 251        64          13        5        10        15         7
```

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## 252        79          12        14         9        12        11
## 253        61           6        16        14        10        13
## 254        57          12        12         7         6         7
## 255        67          10         5         7         7         7
## 256        56          14         6        12        11         7
## 257        76          13         8        14        10        15
## 258        84          13         8         8        14        10
## 259        13          78        81        79        84        83
## 260        69           7        16        10        11         7
## 261        65          10        14        13         8        15
## 262        84           9        10         6        13         5
## 263        25          76        86        76        75        85
## 264        19          81        82        72        84        84
## 265        77          13        13        15        15        13
## 266        77          16        16        11        14        14
## 267        53          16        10        15         8        11
## 268        44          11         6        12         7        14
## 269        78          12        14         7        12         7
## 270        12          82        82        78        80        84
## 271        31           9         8         5         6         8
## 272        78           7         8         9         8        14
## 273        64           5         6        10        12        10
## 274        14          83        75        72        84        79
## 275        75          13        12         5        10        14
## 276        72           9         8        12        11         6
## 277        22          12        12        11         4         9
## 278        11          78        77        76        80        90
## 279        86           3         3         5         5         3
## 280        76          13        12         5        11         7
## 281        78          11         8         9         9         9
## 282        10          84        81        75        78        83
## 283        30          12        12         5        13         8
## 284        53           5         3         5         5         3
## 285        71          10         7        10         8        10
## 286        67          15        13        11        12         9
## 287        76           5         5         1         4         2
## 288        14          80        86        58        74        84
## 289        70          10         6        14         6        13
## 290        62           9         7        14        10        14
## 291        65          11         8        15         8         8
## 292        70          13        14        10        15        12
## 293        29           7        15        14         7        15
## 294        78           5         5         5         6         6
## 295        70           9         6        16        16         9
## 296        58           8        13        15        16        14
## 297        68           7         9         9        12        15
## 298        68          11        13        15         8         9
## 299        68           7        10         6        13        13
## 300        80          14        13        12         7         7
## 301        51          12         9        10        10        14
## 302        76           7         9         6         5         7
## 303        15          81        80        78        79        83
## 304        69          12        13        10         9        14
## 305        71          14        14        13         7         8
```

```
## 306        67          10        8        14        11        9
## 307        74           7        9        16        10       15
## 308        37          13       12        11        16       11
## 309        68           8       15         9        15        9
## 310        60          11       12        14        16       11
## 311        68           5       12         9        10        7
## 312        19          81       79        74        83       77
## 313        76           7        6         9        13        7
## 314        79          10       14         8         8       10
## 315        61           6        9        12        14       10
## 316        78          14        6         6        13        6
## 317        43          12       10        13        15        8
## 318        82           9        7        12        11       12
## 319        74           4        4         3         5        8
## 320        77           9        9         8        12       15
## 321        61          16       12        15         7       15
## 322         9          79       79        77        76       85
## 323        62          14       12        10         9       10
## 324        57          15        8        13         6        9
## 325        76           7       10         5         8       11
## 326        47           7        7         8        12        9
## 327        72          14        5        12         9        8
## 328        75           5       13         7        13       14
## 329        47          15       14        15        10       12
## 330        84          11        6        15        12        8
## 331        61          10       12         8        11       13
## 332        52           8        9        15        13       10
## 333        75           6       16        11        16        8
## 334        73          14       11        12        16       10
## 335        57           8        7        10        12       15
## 336        84          11        7        13        10       12
## 337        74           4        2         2         2        2
## 338        14          77       83        74        77       85
## 339        80          11        9         9        11        7
## 340        70           8       10        10         6       16
## 341        74           8       14        12         5        5
## 342        76           7       13         6         9        9
## 343        56          11       14        13        12       14
## 344        65           2        2         4         3        4
## 345        73          12       16        14         6        6
## 346        35          11        8        12         9       14
## 347        37          10        6        13        10       15
## 348        71          14        9        15        10       12
## 349        66          12        7         6        16       11
## 350        15          81       80        72        83       82
## 351        47          14        5        11        14        8
## 352        54          14       13         8         7       15
## 353        72           6       14         8        12        8
## 354        79          14        5         8        14        7
## 355        57          16        9         6        13        9
## 356        75           4       10        14         4       14
## 357        27           4        4         4         4        4
## 358        55          16       14        14        16       15
## 359        79           7        6        11         9        5
```

```
## 360        80          8        10        11        15        13
## 361        35         13        10         7        12        15
## 362        64         13        10         8        11        13
## 363        77         15         6        16        11         8
## 364        43          6        15         7         5        11
## 365        72          9        11         9         8         8
## 366        56          9        11         7         9         9
## 367        44          6        14        10         8        13
## 368        78          7         8        14         9         6
## 369        80         11        10        14        15        11
## 370        89          9        10        16         9         9
## 371        81          7        11        11         6        13
## 372        53          7        10        15        14         5
## 373        72          6        10         6        10        12
## 374        13         79        78        81        79        82
## 375        72          8        14        15         8        12
## 376        68          9        13        10        14         5
## 377        13         77        84        74        82        82
## 378        13         81        85        82        78        79
## 379        16         85        77        75        80        83
## 380        83         10         7         8        14        13
## 381        76          5        10         7        10        14
## 382        81          9        14         8        13        10
## 383        11         79        83        62        78        82
## 384        76          6        10         8        11        14
## 385        68         11         7         6        11         5
## 386        55         15        14         6         5         8
## 387        80         13         7        11        10        12
## 388        67          8         6        12         8        14
## 389        74          6        12         7         9         9
## 390        64          9         8         9        12        14
## 391        52         11         6        16        14         7
## 392        74         14        15         8         9        15
## 393        47         10        14         9        13        12
## 394        64         10        14        14        15        13
## 395        12         78        82        72        78        83
## 396        68          8        12        13         8        15
## 397        28         11        12         5         9        15
## 398        64          7        11        13        15        14
## 399        77          3         5         5         3         5
## 400        20         78        75        70        76        86
## 401        61         15         8         7        15        15
## 402        66          8        11        11        16         9
## 403        70         14         9        10        16         7
## 404        60         12        11         8        13         8
## 405        35          5         5         5        10         5
## 406        74         11        12         8         6         8
## 407        30          8        13         6        12         8
## 408        75         15        15         7        14        11
## 409        77          8        11        11         7        14
## 410        67         15        13         9         7        11
## 411        30         10         7        12        13         9
## 412        40          9         9        14        11         7
## 413        56         14        15         9        13         9
```

```
## 414        58          7        10        13        12         7
## 415        74          6         8         9        14         9
## 416        34         12        14        10        15         8
## 417        32         15        11        11        16        13
## 418        68          7        10        10        14         7
## 419        47          9        14         7        14        15
## 420        31          9         8        10         7        10
## 421        41         13         8        14        14        12
## 422        77          7         6         7         9         8
## 423        80         16        12        13         6        10
## 424        79          9        14        11         7        14
## 425        74          8        15         9         9         6
## 426        61          9        14         7        10        15
## 427        76         13        11        15         6         7
## 428        44         11        14         8        13        14
## 429        65          5         5         5         3         3
## 430        42         12        10         9        16         7
## 431        38         15        12        10         7         7
## 432        80         12        13         8        13         6
## 433        74          7         8         9         7        12
## 434        56          5        13         5        13         8
## 435        69         15         6         9        15        10
## 436        46         15        14        11        16        10
## 437        51         11        15        15        10        10
## 438        73          5        12        11        11         5
## 439        49         10        14        14         8        15
## 440        74          8        14         8        13         7
## 441        60         16        16        15        13        13
## 442        72         15         7         9        10        13
## 443        53         12        12         7        16         6
## 444        60         16        10         6         8        11
## 445        12         75        82        70        78        86
## 446        12         74        84        74        80        83
## 447        28          9        14         7         9        15
## 448        73         14        12        10        11         6
## 449        69          6        15        11        16        16
## 450        11         76        82        59        79        84
## 451        52         13        12        14        13        12
## 452        75         14        15         9        10        13
## 453        69         14        11        10         6         9
## 454        60          8        11        11        11         5
## 455        16         76        82        72        79        83
## 456        69         15        13        14        14        10
## 457        72          5         9         9        11        14
## 458        77          5         5         5         3         3
## 459        69         13        15        14         5         7
## 460        26         80        82        74        76        82
## 461        26         16        14        10         6         7
## 462        43         10         9         8         9        15
## 463        47          9        14        15        10         8
## 464        71         10        10        16        12        14
## 465        75          7         9        14        12        11
## 466        79         15        16        16         9        10
## 467        63         15        15        11         8        11
```

```
## 468        76              4         5          3          4          5
## 469        12             81        78         66         79         81
## 470        76             12         9          6         10         16
## 471        63              9        12          8          6         12
## 472        64             16        16          8         15          6
## 473        59             12         6          7          7          7
## 474        53              8         6         11          6          7
## 475        60              6         5         14          8          8
## 476        30              4         5          5          3          4
## 477        79             13        12          5          7          9
## 478        80              8        12         10          7         16
## 479        73              6        11          7         14         13
## 480        79              9         9          5          7         10
## 481        85             15        16         14         16          6
## 482        48             11        15         13          9         13
## 483        76             10         8         11         12          9
## 484        23             82        75         80         83         77
## 485        56              3         7          9          5          5
## 486        50             14        14         16         10          6
## 487        66              2         2          2          2          2
## 488        65              7        10         12          6         15
## 489        30             10        13          9         15         12
## 490        47              5        10          8          8          6
## 491        83             16         6         15         11          6
## 492        55              9        12         14         15         10
## 493        51              8        15         11         15          8
## 494        69             13        11         10          9         13
## 495        43              6        10         13          9         16
## 496        69             11         7         10         10         10
## 497        73             10        15          7         15         12
## 498        43             10        11         15         13         15
## 499        27             16         7         11         16          7
## 500        12             78        80         73         76         80
## 501        73              8        14         16          9         12
## 502        57              9        13          7          9         10
## 503        64             14        12         11          6         14
## 504        28              7        11         11          7         11
## 505        30             10        10         15          6         14
## 506        17             78        77         70         84         84
## 507        14             77        79         73         79         84
## 508        84             14        16         13         12         16
## 509        37             10         7         12          9         15
## 510        60              7         6         15         10         16
## 511        10             82        77         78         72         83
## 512        75             13        11         12          9          7
## 513        12             81        79         83         74         83
## 514        15             78        82         64         80         82
## 515        12             78        80         66         78         84
## 516        79              1         1          1          1          1
## 517        12             76        79         74         76         84
## 518        58              9         7          7          9          9
## 519        63              6         8          9         12         16
## 520        54              9        15         15         10         11
## 521        82             13        14         13         14         11
```

```
## 522        18          82        78        70        79        80
## 523        27           5        12        15         6         7
## 524        44          32        32        38        33        34
## 525        18          83        80        65        82        80
## 526        85           7         9         5        10         8
## 527        65           7         7         9        13        12
## 528        90          11         5        14        12        11
## 529         8          73        85        72        73        87
## 530        42          14        16        10        12        12
## 531        77          15         8        11         6         6
## 532        68          16         7         7        10         7
## 533        67          12         9        15         7        13
## 534        46          10        16         9        13        14
## 535        31           7        12         8        16         9
## 536        55          14         7        15        14         9
## 537        36          14        11        11        15        10
## 538        49          12        14         9         7        11
## 539        51           7        10        13        14        15
## 540        64          12         9        11        11         8
## 541        37           6         6        14        14        11
## 542        59           6        14         8        12        13
## 543        77           8        13         9        10        16
## 544        25           6        10         8        12         8
## 545        67           9         9        16        10        15
## 546        12          76        78        73        79        81
## 547        70          11        15        16        13        15
## 548        60          11         8        13        12        14
## 549        59          12        13         9        10         9
## 550        70          12        11         5         7        14
## 551        55          12        14        12         8         7
## 552        40           9        12        14         6        11
## 553        55          14         6        15         9        14
## 554        24           8         9        12        14         9
## 555        70          11        12        12         9         6
## 556        73           8         7        14        11         7
## 557        53          11        16        15        12        11
## 558        53           6         7        14         7         8
## 559        68          12        13        12        14        13
## 560        61          13        14         8         8        11
## 561        53           8        12         6        10        10
## 562        81           8        14         8        14        12
## 563        23          76        77        75        81        80
## 564        86          10        11        11         9        10
## 565        81          12        11        16        15        15
## 566        68           7        16        14         7         8
## 567        73          12         8        14        14        16
## 568        68          10         6        13        11        12
## 569        73           7        11        13        12         6
## 570        76          15         9        16        16         6
## 571        59          11         8        12         9        16
## 572        53          10        15        10        11        12
## 573        25          14        15        13        12        15
## 574        27          10         7        11        15         8
## 575        39          15        16        11        11        10
```

```
## 576        76          7        7        9        13        9
## 577        47         14        7        6        10        6
## 578        45          8       16       13         9        6
## 579        69         12        8        6        14       10
## 580        55         13       13        6         7       15
## 581        68          6        8       15        13        9
## 582        52         13       11        6        14        9
## 583        21         14       12       13        12       12
## 584        71          9       11       14         7       14
## 585        74          7       14        7        15        8
## 586        52          8       12        8         7       13
## 587        48         15       15       15         6        7
## 588        65         14       16       16        14       14
## 589        68         12       11       12        14       11
## 590        33         11       13       13        11        6
## 591        10         77       81       83        74       83
## 592        45          6        6        9        12       13
## 593        82          8       12       14        14        5
## 594        73          6       11       13        13       10
## 595        48          6       15        9        13       16
## 596        70          6        7       15        12        7
## 597        65          9        9       15        11        7
## 598        73          9       11       14        11       16
## 599        72         14       14       15         5        5
## 600        53          6       16       15         7       14
## 601        59          9       16        6         9        9
## 602        73         10        6       16        14       14
## 603        42         12       11       15        15        7
## 604        28         14        6       12        11        7
## 605        63          7       12       11        16       15
## 606        68          6       12       13        10       14
## 607        34         12       11       16        16       13
## 608        75         15       15       16        14        8
## 609        65         11        6       11         7        6
## 610        70          9       15        8        12        7
## 611        23         11        9        6        11       14
## 612        75          7       14       11        13        8
## 613        38         10       10       16        11       14
## 614        75          7       14       14        11       13
## 615        47         13        9        7        15       14
## 616        50          9        9       13         7       12
## 617        49         11       11        6        12        8
## 618        66         16        9       15        12        8
## 619        68         15       14        9         8        8
## 620        19         78       80       77        76       82
## 621        58         14       15       11         7       12
## 622        74          6        6        7        14       12
## 623        44         10       10        6        13       14
## 624        63         13       15       16        12       12
## 625        48          6       15        7        10       11
## 626        59         12       14        6         7        8
## 627        66         12       13       13         8       10
## 628        74         10        7       15         8        6
## 629        37         13       10       11         7        8
```

```
## 630        61          7        14         6         9        15
## 631        62         13         6        10        14        16
## 632        31         15        11        13         7        10
## 633        64         15         6         6         7         7
## 634        14         82        81        68        77        80
## 635        78          6        12        13        15        12
## 636        66          6        12         8        16         9
## 637        72         11        15        11        12         8
## 638        51          7        11         8        15         8
## 639        56         15        13        16         9         7
## 640        47          9         6         8        11        15
## 641        58          9        10        12        12        13
## 642        68         10        13        10         7         8
## 643        41          1         1         1         1         1
## 644        23          9         6        12         6         8
## 645        13         78        80        74        72        82
## 646        67         10        14        11         8         8
## 647        57         10        16         6         8         9
## 648        43          9        10        12        16        14
## 649        56         11        15        15         8        12
## 650        70          8        16         9         7        15
## 651        13         77        77        79        80        78
## 652        65         11        15        12        10        13
## 653        66         12         7        10         7        15
## 654        79          5         6        15        10         6
## 655        79          7         9        12         7         6
## 656        74          8        10        12         7        14
## 657        46         13        14        13         9         9
## 658        12         77        83        78        71        84
## 659        72          7        14         7        13        15
## 660        73          5         3         5         5         3
## 661        70         10        11         5         8        11
## 662        35         14         8         7        16        16
## 663        16         73        80        65        74        84
## 664        17         76        76        81        73        83
## 665        62          9        13        16        10         9
## 666        22          9         5         4         6        10
## 667        86         10         9        11        13         9
## 668        68         10        15         8        15        12
## 669        80         12        13        13        10        11
## 670        46         15        12        16        16         8
## 671        22          5        11        11         8         6
## 672        49         14        14        15        14        13
## 673        51          6         9        12        12        13
## 674        43         15        16         6        10        13
## 675        80         10         4        12         9         4
## 676        80          4         2         3         2         2
## 677        79          9        14         9        11        13
## 678        62         15         8         7         9        10
## 679        72         12        14        10         7         8
## 680        69         12        15         5        12        15
## 681        69         16        14         9        14         8
## 682        29          7         6        15        10         9
## 683        75         10        12         5         7        12
```

```
## 684        71          16        7        16        14        16
## 685        70           9       11         5         7        13
## 686        51          12       12        11         7        13
## 687        72          12        8        14        12        11
## 688        59          11       10         9        11         6
## 689        83           9        7         6        12        11
## 690        57          10       14         7        14        12
## 691        39          16        7        11        15         7
## 692        60          13       13        15         7        12
## 693        61          11        8         8         8        12
## 694        75           7       10        15        10        13
## 695        61          15       12         7         6         7
## 696        53          10        7        14        13        14
## 697        18          80       78        69        75        80
## 698        74          13        8        11        10         6
## 699        16          78       76        78        69        87
## 700        60           9       15        16        13        15
## 701        77           8       14        11        15        12
## 702        12          79       77        61        80        75
## 703        68           8        7        15        13        13
## 704        70          13        7        16         6         6
## 705        79          15        9         7        10        12
## 706        12          75       78        73        76        78
## 707         7          76       77        68        71        83
## 708        73           7       11        15         6        14
## 709        75          13        6        13         9        12
## 710        67           6       13         6         8        15
## 711        64          13       10        10         6        11
## 712        74          11       14         7        13         8
## 713        69           7        8         7         9         7
## 714        32           9       11        12        13         7
## 715        67          13        8        13        14        14
## 716        33           8       15        11        12         8
## 717        56          13       11        13        16         9
## 718        67          14        8         9        14        13
## 719        55          15        8        14        13         8
## 720        54           7       13        12         8        13
## 721        59          12       10         7        12        11
## 722        58          15       12         9        15         7
## 723        18          80       77        75        72        80
## 724        61          16       14        13        13         8
## 725        32          14        8         6        12        14
## 726        76           7        8        14        14        15
## 727        68           6       11         8         9        11
## 728        31          13        7         9        15        10
## 729        78          15        8         7        15        15
## 730        76           6        9         8         9         8
## 731        60          11        8         8        16        14
## 732        31           9        8        11        12         7
## 733        66          11       13        12         8        14
## 734        72          15        9         8         9         9
## 735        74          15       14        13        14        11
## 736        36          12       14        11         8         7
## 737        59           7       12        15         6        15
```

```
## 738        56          7        7        10        13        13
## 739        27         12       13        15        10        11
## 740        20         77       83        62        69        82
## 741        38          9        7         6        10        11
## 742        31          7       15        16         9         9
## 743        62         15        7        16        12         7
## 744        30         14       16         8         7        11
## 745        64         13       14         8        10         9
## 746        44         13       15         9        14        11
## 747        70         14        7        10        11        13
## 748        37          7       11         6         7        14
## 749        75         14       15         7         8         8
## 750        30          6       14        12         9        14
## 751        53         15       11        11        12         8
## 752        79         14        7        13        11        10
## 753        64         15        8        14        15        14
## 754        53          8       13         9         5        14
## 755        72          4        4         4         6         4
## 756        49          6        8         9        13         8
## 757        71         13       16        16        15        11
## 758        68          9       14        14         7         6
## 759        76         12       11        13        14         7
## 760        22          7        8         7        13         8
## 761        66         16       15        14        15         8
## 762        26         13       14        10         7        16
## 763        66         15        8        14         9         6
## 764        15         80       73        74        75        81
## 765        76          7       15         7        11        14
## 766        73         10       12        12        11        13
## 767        66          7       15         9        12        13
## 768        23         13       12         8         9         8
## 769        55          7        9        14         8        11
## 770        73          9        6        14         8         7
## 771        77          6       12        14        13        11
## 772        34         15       11         7         9         6
## 773        73         10       11        14        11         7
## 774        68          8       15        12         7        13
## 775        23         74       81        81        75        79
## 776        74          6        8        15        10        15
## 777        32          8       12         7         8        15
## 778        50         11       10         7        14        11
## 779        58         15        9         7        11        13
## 780        75          6       14        11        13        13
## 781        77         14       15        15        11         9
## 782        72          9        9         7        11        13
## 783        80          9        6        10         9        13
## 784        79         14        8         8         8         6
## 785        64          8       13        14        13        15
## 786        61         14        8        11        12        15
## 787        72          9       16        16         8         6
## 788        76         12       12        12        14         9
## 789        13         75       80        74        69        82
## 790        74         14       14        14        11         7
## 791        44          9       12         9         8        14
```

```
## 792        51          7        6        8        13        14
## 793        46         16       16       11        14         9
## 794        22          6        7       12         9         9
## 795        70         12       11        7        10        11
## 796        82         10       10        9         8        14
## 797        72          9        9        7        16        13
## 798        68         14       12        8        13        10
## 799        38         10        6        8         7         7
## 800        50          9        9       10        13        14
## 801        77          9        8       10        15        11
## 802        63         13       10        5         5        12
## 803        62          6       12        8         7        10
## 804        11         78       79       67        76        81
## 805        51         14        8       12         9         6
## 806        55         13       15        7        12        13
## 807        65         10        5       14        12         5
## 808        68         13        7       11        16        13
## 809        70          6        5        6        14         9
## 810        65         12       10        8         8         9
## 811        36         12       14       13        12        14
## 812        71          1        1        1         1         1
## 813        10         76       78       67        75        83
## 814        64         15       11       12        11        12
## 815        74          5        3        5         3         3
## 816        44          9       11       12        15        12
## 817        75         15       14        8        11        13
## 818        66         15       14        7         7         8
## 819        38          6       10       12        13         8
## 820        18         14       13       11         7        10
## 821        70          7        8       14        15        12
## 822        75          7        6        8        15        12
## 823        72          8       10       13         8        10
## 824        75         16        9        9         9         6
## 825        22         15        8       14         6         9
## 826        32          8        6       10         5         6
## 827        59         11       10       14         9         6
## 828        76          8       13       12        13        11
## 829        74         12       10       16        11        15
## 830        38         13       14        9         8        10
## 831        73          7       10       14         7        10
## 832        74         10       14       12        14         6
## 833        72         11       10       14         9         8
## 834        43         15       14       15        11         7
## 835        78          9       16       10        10        12
## 836        13         77       82       70        73        78
## 837        55          9       14        7         9        10
## 838        71          7        9       10        16         7
## 839        61         14       12       11        11        12
## 840        29         12       11       10        15        11
## 841        22          5        3        3         5         3
## 842        72         10        8        9         6        12
## 843        71         15        8        9         6        16
## 844        12         78       77       71        76        80
## 845        73         14        9       13        14         6
```

```
## 846        50          11        13        14        11        11
## 847        40           8         7         7        16        15
## 848        68          15        11        10        12        16
## 849        76          15        15        11         9         8
## 850        43          14         6        11        11         5
## 851        63          16         9         8         7        16
## 852        55          14        10        11        14         7
## 853        19          78        74        69        80        83
## 854        79          12        16         9        16        11
## 855        51           1         1         1         1         1
## 856        43          12         9        16        13        11
## 857        64          16         7        14         6        10
## 858        61           9        15        16        16        13
## 859        16          76        78        72        77        81
## 860        60           6        13        16        11         6
## 861        11          78        82        70        70        83
## 862        50          12        15        16         7        15
## 863        38          16        14        13        11        10
## 864        54           3         3         5         3         3
## 865        77           7        16        14        12         9
## 866        68           7         6         7        16        11
## 867        77          13        14         9         8        15
## 868        53          15        13        10        15        14
## 869        12          79        79        74        77        80
## 870        64           8         6         8        16        15
## 871        65          14        12        11        16         8
## 872        59          14        14         8         6        16
## 873        65           9         6        12        10         8
## 874        74           3         3         3         5         5
## 875        85           4         6         5         7         4
## 876        72           6        11         7        15        13
## 877        76           9         6        11        15        12
## 878        72           7        15        16        11         8
## 879        54           6        12        14        16        12
## 880        56          11         9         7        10        15
## 881        76          17        17        17        14        17
## 882        40           6         7        11        13         7
## 883        75          16        16        15        10        15
## 884        69          16         7        14         6        11
## 885        68          16        14         7         7        11
## 886        70           6         8         9         8        11
## 887        14          76        76        68        77        82
## 888        81           9        13        14        13         6
## 889        50          13         9        10        12        11
## 890        57          13         8        10        13        10
## 891        77           6        11        13        15         9
## 892        34          10        11        11        15        12
## 893        13          78        80        70        75        80
## 894        72           8        16        13        16         6
## 895        56          15         9        10        16         9
## 896        13          75        83        60        73        84
## 897        36           7         7        12        11         6
## 898        71          11         9         8         7        16
## 899        80          11        16         6         6         9
```

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## 900        32          16        10        12         6         7
## 901        69          13        15         8        10        16
## 902        53           2         2         2         4         4
## 903        65          13        11        14        10        15
## 904        68          10         9         6        14        11
## 905        77          11         8        11         7        14
## 906        29           7        11        12        10        12
## 907        27           9        16        15         7        15
## 908        67          11        13         7         5         6
## 909         9          76        78        71        77        79
## 910        68          13         5         6        12        14
## 911        72           8         8         8         9        11
## 912        45           7        11         8        15         7
## 913        71           8         7         8         8         7
## 914        76          19         8        20        11        20
## 915        77          13         8        15        15         8
## 916        49          18         8         7        11        12
## 917        55           8        13        16        13         9
## 918        71           8         9         8        16        10
## 919         8          76        77        74        75        76
## 920        30          15        10         7         6        13
## 921        52           9         7         7        11         9
## 922        69          13        12        10         7        11
## 923        55          12        12         8         9        11
## 924        66          15        13        11         7        16
## 925        54           7         9        12        11        15
## 926        44          11        13         6         6        15
## 927        12          75        81        71        75        81
## 928        65          12        12        14        12        10
## 929        63          12        14        14         9         8
## 930        40          13        10        15        13         6
## 931        55          16         8        10         7        13
## 932        55          11        12         9         8        10
## 933        63           7         8        15        14         9
## 934        66          16        13        14         7        15
## 935        57           7        12        16        15        13
## 936        71          14        11        14        10        10
## 937        20          79        78        75        75        79
## 938        65           7         7        11        12        10
## 939        65          11        13        13         6        10
## 940        28           6         9        10         7        15
## 941        62           4         4         4         4         4
## 942        74           6        10         8        13        13
## 943        74           6        12        10        16         8
## 944        55           8        15        13        10        11
## 945        31          12        13        11         8        12
## 946        36          10        15        11        11        11
## 947        78          14         6        10         8        12
## 948        64          13        15        11        11        10
## 949        13          69        81        76        74        84
## 950        48           5        10         7         8        14
## 951        40           5        10         9        13         8
## 952        39          15        10        16         7        14
## 953        71           8        10        12        14        11
```

```
## 954        49          16        16        12        11        10
## 955        33           6        12         7        13         7
## 956        60          14         7        15         7        16
## 957        15          78        76        67        73        79
## 958        48          15        15         8        11        12
## 959        71          14        16         6        10         7
## 960        69           9         6        14        10        15
## 961        82          13         7        16         7        16
## 962        67           7        14         7         7        14
## 963        39          12         7        15        15         6
## 964        68           8        12        15         9        16
## 965        76          12        13        13        11        10
## 966        74           8        12        15        14        14
## 967        69           7        12         8         6         9
## 968        59          14        14        11        15        14
## 969        33          15        13        10         9        16
## 970        60           8        13         8        11         8
## 971        71           9        12        16        15         6
## 972        65          16         7        15        13         7
## 973        65           7        14        10        16        12
## 974        44          10         7        12        10         6
## 975        61          10        11         9        12        15
## 976        66          12        11        10         8         6
## 977        74           7        12        13        13         8
## 978        54           8         8         9        10        13
## 979        13          80        77        63        73        76
## 980        65          10        14        15        12         7
## 981        41          11        12         6        11        10
## 982        57           7        11         8        11        12
## 983        52          15        12        14         8        15
## 984        74          12        15         7        12        10
## 985        61          15        12         8        14        11
## 986        32          16        11         8         8        12
## 987        44          13         6        14        11        11
## 988        73           9         9         6        14        10
## 989        63           8         7        15         8        14
## 990        56          13        13        10        15         9
## 991        26           9        14         7        15        15
## 992        76           9        14        10        10         7
## 993        53           7         9        16        14        10
## 994        80          14        15        12         6         9
## 995        39          10        13        12        14         8
## 996        70           7         6        14         7         6
## 997        67          15         6         9         7         5
## 998        53           8         8        11         7         9
## 999        28          10         6         6        16         8
## 1000       20          15         7         9         7         9
## 1001       33          10        15        15        12         6
## 1002       42          11         7         8        13         7
## 1003       40          15        10        13        15         8
## 1004       35          15         9        16        15        15
## 1005       13          77        79        74        74        79
## 1006       75          10         8        16        11        14
## 1007       57          13        10        14        11         7
```

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## 1008        68              12          12          16          8           12
## 1009        40              11          8           12          14          12
## 1010        65              14          15          6           11          16
## 1011        31              12          8           12          13          8
## 1012        74              14          15          5           10          11
## 1013        24              6           12          7           5           8
## 1014        55              10          10          9           14          9
## 1015        72              11          9           10          13          8
## 1016        75              15          7           13          12          14
## 1017        70              8           9           11          10          9
## 1018        56              11          9           7           12          15
## 1019        11              79          74          74          75          78
## 1020        69              9           15          12          13          9
## 1021        36              10          15          9           16          14
## 1022        55              11          8           14          8           10
## 1023        73              11          8           14          10          9
## 1024        19              77          80          66          73          78
## 1025        73              15          10          9           13          14
## 1026        72              9           9           8           11          11
## 1027        77              15          13          15          10          15
## 1028        57              7           8           6           11          10
## 1029        72              13          7           13          11          14
## 1030        77              9           13          11          12          11
## 1031        25              10          9           13          9           7
## 1032        70              14          6           10          6           10
## 1033        37              11          15          11          16          7
## 1034        31              14          7           14          7           8
## 1035        59              16          12          16          13          8
## 1036        61              6           12          12          8           9
## 1037        70              14          8           10          10          6
## 1038        70              7           8           9           10          8
## 1039        43              12          14          9           12          15
## 1040        58              12          6           6           8           11
## 1041        45              11          8           8           10          11
## 1042        37              13          7           8           16          14
## 1043        74              11          7           10          13          5
## 1044        40              15          8           11          13          15
## 1045        28              16          9           7           6           8
## 1046        72              6           14          16          15          6
## 1047        23              6           12          9           13          10
## 1048        64              13          10          7           5           15
## 1049        66              16          10          12          13          6
## 1050        49              12          10          7           8           16
## 1051        59              11          13          11          11          13
## 1052        66              8           6           16          15          8
## 1053        75              6           10          14          6           6
## 1054        54              10          12          7           12          8
## 1055        40              11          15          6           13          11
## 1056        44              14          10          7           14          10
## 1057        32              10          7           13          9           15
## 1058        76              9           6           15          14          11
## 1059        13              13          9           8           13          6
## 1060        62              5           11          6           11          9
## 1061        47              12          7           14          13          8
```

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## 1062        13              79         74          68          77          78
## 1063        54              13         15          15           6          16
## 1064        51              13          8          12           8          12
## 1065        69               7          7           7           8           9
## 1066        38               7          8          12          14           8
## 1067        58              10          6           7           8          15
## 1068        60               8         12          11          12          12
## 1069        68               6          6          10          11           6
## 1070        36               7         11          12          13           9
## 1071        76              13          9           9           7          12
## 1072        26               9         11          13           8          15
## 1073        78               8         16           8          10          11
## 1074        75              15         14           6           9          12
## 1075        68              12         15           9          11          13
## 1076        51              14          7          10           6          10
## 1077        45               8         16           7           8          16
## 1078        44              10         10           7          12           8
## 1079        47               6         12           7          14          10
## 1080        68              11         11          14           7           8
## 1081        56               8         14          15          11          16
## 1082        62               8         12           6           9          16
## 1083        70              16          6          15           6           7
## 1084        59              10         13          10           6          10
## 1085        74              15         13           8          14          16
## 1086        45              15          7          10           6          10
## 1087        71              12         12          14           6           9
## 1088        67              11         15           7          10           7
## 1089        69              11         12           8          12           9
## 1090        53              10         13          13           9          14
## 1091        62              10          7          12           6          11
## 1092        73              13          8           9          10          16
## 1093        58               7          7           7           8           7
## 1094        79              12         16          10          15           6
## 1095        77              13         15          10          15           5
## 1096        60              15         14           7          13          11
## 1097        50              12         15           9           8           9
## 1098        56              10          7           6          16          14
## 1099        56               5          5           6           6           5
## 1100        13              75         81          52          74          79
## 1101        66              16          9          14           8          14
## 1102        44              11         11           8          14          10
## 1103        34               5          5           5           5           5
## 1104        72              12         14           8          14          10
## 1105        45               9         11          12          10          10
## 1106        25               6         15          15          14          15
## 1107        68               7          6           6          16          14
## 1108        59               8          7          16          10          13
## 1109        54               8         12           9          13          11
## 1110        59              13          6          15          14          11
## 1111        69              15         10          13           8          11
## 1112        74              10          7           7           8           7
## 1113        70              10         11           8          12          12
## 1114        54              16         11          11          12           8
## 1115        43              13         11           7           6           7
```

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## 1116        50              14         15          13          13          16
## 1117        22              75         81          79          69          80
## 1118        49               8          6          15           6           7
## 1119        28               6          9           9          13          10
## 1120        57              15         10          10          12           9
## 1121        42               7         16          10          15          14
## 1122        31              16         10           9          15           9
## 1123        51              14         10           8          15          10
## 1124        67               5          7           7           7           8
## 1125        69              14         16          15          10          11
## 1126        22              15         11          12           8           8
## 1127        69               6         10          12           8          10
## 1128        77               5          4           4           4           4
## 1129        66              13         10          11          16           9
## 1130        75               8          7           7          13          10
## 1131        54              13          9           8          14           7
## 1132        11              79         77          64          76          78
## 1133        52               8         12          14          11          16
## 1134        72              16         14           7          14          11
## 1135        23               5         12           5          11          14
## 1136        22              76         80          73          72          81
## 1137        77               9         13           8          11           6
## 1138        70              15         11           6          13           8
## 1139        42              14         12          14           9          14
## 1140        76               7         11          10          12          13
## 1141        64              15          7          16          13          14
## 1142        74              14         12          16          12           9
## 1143        58              14         11          15           9          15
## 1144        66              15         15          12           7           6
## 1145        70              11         11          10          13          10
## 1146        13              77         75          80          74          78
## 1147        55              11         11           8           9           7
## 1148        73               8          9          10           6           9
## 1149        69               7         15           8           7          11
## 1150        56              11         14           8          11          12
## 1151        55               8          7          12          10          12
## 1152        13              75         75          90          73          77
## 1153        71              12          8           6          12           8
## 1154        80               8          9          13           5          12
## 1155        84               9          8          16           9          11
## 1156        11              78         77          75          72          80
## 1157        33              15          7          10           9          10
## 1158        34               9          9           7          14           6
## 1159        50              10          6          14          10          16
## 1160        59              16         10          16          13          11
## 1161        71              12          9          15          14          10
## 1162        34               7         16          13          15          14
## 1163        65               7          7           6          14          14
## 1164        69              15         12           7          11          11
## 1165        81               6         14          11           8          16
## 1166        76               7          3           3           7           3
## 1167        76              10         11           6          14           5
## 1168        52              11          8          15          12          12
## 1169        13              75         82          71          75          78
```

```
## 1170        8          78        75        74        75        77
## 1171       65          12         8        14        15        10
## 1172       67           7         6        14         6        10
## 1173       78           6         7        16        16        12
## 1174       64           9         9        13         7        11
## 1175       60          11         8         7        12         5
## 1176       33           9         7        14        10        12
## 1177       13          76        77        66        76        80
## 1178       59          14        11         8         8         8
## 1179       59           8         7         9        15        11
## 1180       47          14        10        14        15         7
## 1181       13          77        77        76        73        78
## 1182       69           6        10        12        14        11
## 1183       10          81        74        75        79        74
## 1184       47           7        10         7        16        15
## 1185       70          16        14        15        12        13
## 1186       19           8         8        11        13        12
## 1187       75           7         9        13         7        15
## 1188       56           6        13         7         7         7
## 1189       80          11         6         5         7        12
## 1190       23           7        14         6        10         8
## 1191       79           6        12         7         6        10
## 1192       23          13         8         6         6        15
## 1193       16          85        69        80        81        71
## 1194       67          15         9         8         6        11
## 1195       66           9         6         6        11        15
## 1196       78           9        13        12         9        13
## 1197       69          15        12         8         9        15
## 1198       17          76        78        73        75        81
## 1199       19           3         3         3         3         3
## 1200       10          76        77        77        76        78
## 1201       10          81        76        57        76        76
## 1202       65          15        12        15        15        15
## 1203       11          81        72        53        80        77
## 1204       69          14         7         7        11         8
## 1205       65          13         6        12        15        12
## 1206       28          14        10         6         7         9
## 1207       46          11        11         5        14        11
## 1208       76          15        12        13        12        13
## 1209       53          16         7        10        12         9
## 1210       28           6        13        11        16         9
## 1211       47           7        16        15        15         7
## 1212       22          76        76        77        77        74
## 1213       11          72        71        76        77        77
## 1214        8          77        77        70        74        75
## 1215       57          10        15        14        14         9
## 1216       58          15         9        14         9         8
## 1217       52           7         7        13        15        11
## 1218       63           9         9         8         8         8
## 1219       44           8         9        13        14        10
## 1220       74          15        12         6        13        14
## 1221       72           9        11        10         5        12
## 1222       56           7        14         8        10         7
## 1223       65          12         7        15        10        12
```

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## 1224        68              11         14          13           7           11
## 1225        57               7         14           8          14           15
## 1226        13              68         83          75          75           76
## 1227        30              15          7          12          10            8
## 1228        69              11          8           7           7           15
## 1229        59              13         15          10          14           11
## 1230        69               9          7          15          12           11
## 1231        73               9          9          11          12            9
## 1232        46              11         13          11           6           14
## 1233        55               7          6           8          14           15
## 1234        36              15          7           8           6           12
## 1235        41               8         11           6           8           13
## 1236        66               7         13           7           6           12
## 1237        48              15         12          12          13           15
## 1238        65               8          7          10          14           16
## 1239        23              14         10           8           7           10
## 1240        68               6          9           8          11            6
## 1241        53              14          8          14           7           10
## 1242        61               9          9          16          12            8
## 1243        36              14          9          12          14           15
## 1244        29               7          7          14          10           11
## 1245        35               7         13          13          11            7
## 1246        59              11         14          11           9            8
## 1247        71               8         11           8          12            6
## 1248        35              10         12          11          12            9
## 1249        56              11         16          11          11            7
## 1250        35              12         11          11           6           12
## 1251        73               9         16          10          14           11
## 1252        67              10          8          10          12            9
## 1253        39              14          8          12           6            6
## 1254        67               8         11           6          12           11
## 1255        36               6          9          11          15           10
## 1256        52              12         12           6          13           11
## 1257        20              11         12          10           6           12
## 1258        19              71         78          75          78           80
## 1259        37              15          9           8          11           11
## 1260        75               9          7          11          15           11
## 1261        45              14         11          14          15           12
## 1262        71               8         16          10           6           16
## 1263        49               8          9           9          10           11
## 1264        62               8          7          14          11            9
## 1265        71              16          8          11          12            9
## 1266        50               8          8           7          11            8
## 1267        66               9         14           7          14           16
## 1268        31               8          7           8          14           13
## 1269        33               9          7          13          15            7
## 1270        35              12          9          11          14           10
## 1271        82               8          7          10           9           13
## 1272        49               9         10          10          12            8
## 1273        46               8         10          13          13           12
## 1274        61              15         10          13          16            9
## 1275        48              15          7          10          15           13
## 1276        69              10         13           9           8           15
## 1277        77               9         10           9           7            9
```

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## 1278        32              8         15          7          9         14
## 1279        56             12         11         12         10         11
## 1280        68              8          9         14          8         15
## 1281        69             14         14         14          8          6
## 1282        57             12         13         13         14         10
## 1283        21             72         78         66         74         79
## 1284        57             11         13          7         13          6
## 1285        73              9          7          7          8         12
## 1286        45             10          6          9         11          7
## 1287        68              6          8         15          9          7
## 1288        69              8         10          8         12         14
## 1289        67             12         16         15         11         16
## 1290        64             10         12         10         14          7
## 1291        76             11          9         15         15         12
## 1292        37             12         14         14          7         13
## 1293        37              7          9         16         14          7
## 1294        34             12         16          8         15          6
## 1295        27              7          9         14         12          8
## 1296        32             13          8          6         14         12
## 1297        44              7          8          8         15         14
## 1298        66             16          7          9         14          7
## 1299        61             10          6         10          6         10
## 1300        78             14         15          8         14         11
## 1301        53             10          8         11          9         15
## 1302        53              9         11          9         13          7
## 1303        69              7          7          6         10         14
## 1304        59             12          9         12          7         10
## 1305        54             10          6          9          7         11
## 1306        28             11          8         12         14          8
## 1307        55             14          9         11          9         12
## 1308        58              6          9          8          8          8
## 1309        62             12         14          7         15         12
## 1310        67             12         15         11         10          7
## 1311        47             11         10          6         16          7
## 1312        67             15         15         12         12         14
## 1313        13             75         78         70         67         80
## 1314        76             13         11          7          7         12
## 1315        68             10         11         10         14         12
## 1316        78             14         15         15         13          8
## 1317        69             13          6         14          9          9
## 1318        52             10         12         10         14          7
## 1319        56             15          7         11         11         15
## 1320        33              5          5          5          3          3
## 1321        58             15         15          9         11         15
## 1322        60             10         10         16         11         12
## 1323        43              9         11          6         14          9
## 1324        61             12         11         15          8          7
## 1325        51             15         12         10         12         15
## 1326        35             10         10          9         14         11
## 1327        70             13         12         10         16          7
## 1328        69             15         15         14         12          6
## 1329        20             73         74         85         76         78
## 1330        74             15         11         14         13         13
## 1331        69              9          7          7         11          7
```

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## 1332        69              12          16          14          13           7
## 1333        73              14           5          11          11          10
## 1334        32              13           7          16           7          11
## 1335        30              10          12          14          13          12
## 1336        68              10           7          14          11          15
## 1337        43              15          14          14           7          16
## 1338        71              13           9           7          12           7
## 1339        19              74          75          71          69          81
## 1340        52               8           6           7           6           9
## 1341        27              13           6           6           7           8
## 1342        61              11          14           8          14           8
## 1343        66              13          11           8           6          14
## 1344        66               7          12           8           7          13
## 1345        28              10          14          16          10           9
## 1346        66               8          12          16          10           7
## 1347        48              12           8           8           7          12
## 1348        62              14          13          11          11           8
## 1349        13              71          81          74          72          77
## 1350        53              11          12           8           7          12
## 1351        49              13          13          16           7           7
## 1352        29               7           8           5           9          11
## 1353        49              13          14           9          14          10
## 1354        62               7          12          13           8           7
## 1355        42              15          11          15          11          12
## 1356        68              11          13          13           6          10
## 1357        46               8          15          10          10          10
## 1358        61              13           9           8          10           8
## 1359        35              12           9          12          14          13
## 1360        41               7          14          13           7          12
## 1361        63              16           9          11           8          14
## 1362        68               7           9           7          11          15
## 1363        64               9          13           6           8          10
## 1364        72              15          13           9           6          11
## 1365        60               6           9           7           7           7
## 1366        40              16           8           6           8          13
## 1367        67              16          15          15          10          10
## 1368        41               6           8          11          12           9
## 1369        62              11           7          16          10          14
## 1370        11              73          78          69          70          80
## 1371        75               7          14          13           8          11
## 1372        45              15          15          10          16           6
## 1373        33              15          15          11          10          10
## 1374        77              11           9           9           8          12
## 1375        65              15          14          12          13          16
## 1376        44              12          10           9          16          10
## 1377        22              16          13          10          11          14
## 1378        74               8           7          13           9          13
## 1379        59               7           8          11          12          15
## 1380        68              11           6           6          12           8
## 1381        34              11          11           6           7          13
## 1382        55              15          10          12           7          12
## 1383        63              15           8          14           8          11
## 1384        74              16           6           7           8           8
## 1385        15              73          77          67          68          82
```

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## 1386        76              8         12          10           6           14
## 1387        71             12          9           9          10           14
## 1388        65             10         10           8          15            6
## 1389        62             15         12           7          10            9
## 1390        58              6          9          13          14           13
## 1391        44              8         16          12          14            7
## 1392        66              9         12          11          15            7
## 1393        13             75         78          75          75           77
## 1394        79             15          6          16          15           11
## 1395        61              6         14           7          12            7
## 1396        65             11         11          12           8           12
## 1397        17             14         13           7          15           14
## 1398        29              9         14          13          12           10
## 1399        25             12          8          15          12            5
## 1400        41              6          9          14           5            7
## 1401        68              9         11          11          16           14
## 1402        45             12         14           7           6            8
## 1403        49             14          9          13          12           14
## 1404        17             70         79          62          77           77
## 1405        73             10         12          14           7            9
## 1406        70             13         12           9          10           16
## 1407        43             16          8          14           8           10
## 1408        48             15         15           9          11           12
## 1409        15             73         76          66          86           71
## 1410        61             15         16          12           6            6
## 1411        32             15         14          16          12           10
## 1412        38              7         13          15          13           15
## 1413        44              8         11           8          10           12
## 1414        69             11          9          12          15            7
## 1415        62              8         10          14           8            6
## 1416        51              9         16           7          15            7
## 1417        43              8         16          14          16           15
## 1418        70              8          7          14          16            8
## 1419        72              7          7          15          11            7
## 1420        35              9         12          15          12           10
## 1421        57             11         12          10          16           12
## 1422        61             16          8          15          15           11
## 1423        38             16         14          13          12            9
## 1424        56              7          8          15          14           10
## 1425        42              7          9           6           9           11
## 1426        65              7          9          12          12            9
## 1427        21              6          9           9          13            6
## 1428        68             10         16          13          15           14
## 1429        37              6         11           7           6           13
## 1430        65              8         11           6          14            6
## 1431        52             14         14           6          11           16
## 1432        17             75         80          54          75           80
## 1433        45              9         14           9           7           12
## 1434        57             14         15          15          10            8
## 1435        47              6          7          14          16           16
## 1436        12             74         78          61          73           81
## 1437        71             15         16          15          16            8
## 1438        70             12          8           9          14           15
## 1439        65              6         10          11          11           11
```

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## 1440      62          9        8        16        14        13
## 1441      22         10       12        11        13        11
## 1442      39          6        8        14         8         6
## 1443      43         15       14        13        11        11
## 1444      70          7        6         8        16         6
## 1445      70          5        6         6         6         5
## 1446      63          8       16         8         9        16
## 1447      77          8        6         6        10         8
## 1448      77         15        7         8        10        10
## 1449      70         10        8         7        11        13
## 1450      38         11       15        12         9        10
## 1451      81         16       10        14        11        10
## 1452      80         10        7        10        10         9
## 1453      75         14       15        11         8        13
## 1454      75         12       11         8         6         6
## 1455      62         14        7         7        12        13
## 1456      28          9       10        16         7        15
## 1457      69          5        5         5         5         5
## 1458      41         16       15         6        13        12
## 1459      70         15       11        14         8         6
## 1460      66          8       10        13         8        10
## 1461      60         10       12         9         8        11
## 1462      68          6       11         9         5         5
## 1463      71         14        6        10        16        12
## 1464      29         10        6        15        12        13
## 1465      57          6       11         7        15         7
## 1466      70         14        6        14         5         9
## 1467      25         12       12        10        16         6
## 1468      71          6        9        13        16         6
## 1469      74          9        9         8        16        16
## 1470      12         79       78        69        72        75
## 1471      74         16        8        15         9         8
## 1472      79         13       11        15         7         7
## 1473      73         15       15        10         9        16
## 1474      76         11       12         8        15        14
## 1475      65         12        9        14         8         8
## 1476      72         15       15         8         9        14
## 1477      62         14       14        12         7        12
## 1478      33         14       11         8        10        10
## 1479      20         11        6         5         5         7
## 1480      75         15       11        10        14         9
## 1481      71         12        8         9         8        15
## 1482      66          5        5         5         5         5
## 1483      53          8       15         8        10        16
## 1484      45          8        8        13         8        12
## 1485      74         15        6        10        14        14
## 1486      78          7        6         9        14        12
## 1487      13         65       80        54        75        84
## 1488      36         16        6        12         8        11
## 1489      64          8       11         9        10        16
## 1490      65          9       13         9        16         7
## 1491      70         13       13         8        15        16
## 1492      75         16       13        14         9        11
## 1493      51          6        6        12        15         7
```

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## 1494        34              12          16           8           15           10
## 1495        67              13           8           9            8           16
## 1496        51              12          12           6           15           11
## 1497        53              12          11           7           14           14
## 1498        32              12           7           9           11            9
## 1499        78              14          11          16           13            8
## 1500        75               6          15          12           10           14
## 1501        62              15           6           8            8           13
## 1502        56              14          12          10           13           16
## 1503        56               8          16          14           15           14
## 1504        34              13          13          12            9            7
## 1505        68              12           9          16            8           13
## 1506        32              16          11          12           13           16
## 1507        66              12           5          14           13           14
## 1508        63              12           7           7            6           11
## 1509        69              12          16          14            9           12
## 1510        83               9          11          13            8           13
## 1511        64               7          12          11           15            6
## 1512        67              14          10          15           14            7
## 1513        64              16           9           6           13           15
## 1514        63              10           9          15           16           14
## 1515        74               6          13          12           14           15
## 1516        75              15          11           8           11            7
## 1517        28               9          11           6            8           14
## 1518        45               9           7           8            9           13
## 1519        70              12          11           7            9           11
## 1520        14              75          77          70           73           79
## 1521        11              74          73          73           79           77
## 1522        41              10          12           6           16           14
## 1523        64              12           7          14           10            8
## 1524        47               9           6           6           14           11
## 1525        39               6           7          14           10            7
## 1526        60              14          15          10           11           14
## 1527        70              14          15           9            8            7
## 1528        65              13          13          10           11           15
## 1529        52              12          14          12            7           12
## 1530        76               8          11          15           10            7
## 1531        71               8           6           8            8            9
## 1532        37               7          13           8            7            7
## 1533        11              77          75          73           76           74
## 1534        68              13           9          15           11           12
## 1535        11              76          75          72           74           75
## 1536        69               9          12           9           15           11
## 1537        60              10           5          15           14            8
## 1538        76              16          10           9            8            9
## 1539        71              14          14          15           15            6
## 1540        11              78          75          71           74           76
## 1541        70              15          12          10           16            8
## 1542        69              11           7          13           14           11
## 1543        14              75          77          83           73           72
## 1544        37               6          14          16            8           15
## 1545        83              16          11          11            6           10
## 1546        34              14          10          16           16           13
## 1547        34              16          12          14           10           14
```

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## 1548        44              15          9           9           11          11
## 1549        47              11          10          6           8           10
## 1550        59              6           14          16          13          16
## 1551        46              9           11          8           16          10
## 1552        65              7           12          15          16          6
## 1553        74              7           14          9           15          10
## 1554        55              10          14          13          6           13
## 1555        75              16          15          7           12          15
## 1556        67              9           10          13          5           8
## 1557        73              1           1           1           1           1
## 1558        12              76          75          72          80          73
## 1559        75              6           8           9           7           6
## 1560        15              78          75          71          69          82
## 1561        43              6           13          8           16          6
## 1562        11              76          76          68          75          80
## 1563        61              9           8           8           6           16
## 1564        70              16          13          14          13          12
## 1565        19              78          75          47          77          76
## 1566        62              11          13          16          7           16
## 1567        13              77          75          76          73          76
## 1568        68              8           8           16          6           13
## 1569        67              12          11          16          6           6
## 1570        23              72          80          68          71          79
## 1571        23              11          6           8           13          8
## 1572        28              12          10          5           9           12
## 1573        41              14          16          10          9           12
## 1574        73              16          9           9           11          12
## 1575        60              10          10          7           16          9
## 1576        74              16          8           7           15          8
## 1577        12              75          78          66          76          78
## 1578        33              5           6           8           8           10
## 1579        80              5           5           5           5           3
## 1580        74              9           7           6           10          5
## 1581        67              16          16          8           7           14
## 1582        40              10          16          13          8           13
## 1583        42              16          7           10          10          6
## 1584        38              14          7           13          9           16
## 1585        70              8           6           11          6           11
## 1586        36              14          7           8           12          15
## 1587        67              11          8           12          16          12
## 1588        23              10          6           12          11          13
## 1589        13              74          75          62          72          82
## 1590        75              6           15          7           15          13
## 1591        71              10          15          8           11          15
## 1592        56              11          12          16          14          13
## 1593        73              11          9           12          16          11
## 1594        12              73          80          65          77          75
## 1595        27              11          9           10          10          15
## 1596        50              14          9           16          12          11
## 1597        36              15          15          10          12          11
## 1598        12              74          72          74          73          79
## 1599        19              13          6           14          12          10
## 1600        11              74          78          81          73          76
## 1601        33              14          14          5           8           5
```

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## 1602      49          13        6         7        14        11
## 1603      60           8        8        13         7        14
## 1604      25           5       13        13         6        12
## 1605      24           6       13         8        13         8
## 1606      30           6       10        14         9        15
## 1607      77           8        6        13        14         6
## 1608      38          12        9        12        11        10
## 1609      49          13       12        12        12        11
## 1610      74          11        7         7        11        14
## 1611      76          10        9         8        12         9
## 1612      68          11       12        12        16        13
## 1613      51           8       12        17         8        15
## 1614      67          12        7        11        12        12
## 1615      44          18       12        16         9        12
## 1616      44           9        9        13         7        12
## 1617      59          10        8         9         8        12
## 1618      55          10        8         9        16        15
## 1619      59           8       13         9        13        12
## 1620       9          72       77        61        76        73
## 1621      61           9       13        10         8        10
## 1622      55          14        9         8         7        10
## 1623      41           8        7        12         7        16
## 1624      67           9       15        16         7         8
## 1625      43          11       12        10        11         7
## 1626      44          10       11         8         7        16
## 1627      35          13       11        14        15        12
## 1628      39          10       15        15         8        13
## 1629      55           9       15        15        14        11
## 1630      11          75       76        77        70        75
## 1631      68          10        7        10        15        12
## 1632      54           6        6        15         9         7
## 1633      74           8        7        15        15        14
## 1634      76           9       15         6        12        11
## 1635      68           9        7        13        15         7
## 1636      53          12        8        13         9        14
## 1637      67          16        8        13        12        14
## 1638      43          10       11        16        15        15
## 1639      55          14        7         9        16        15
## 1640      69          10        6        15        15         8
## 1641      28          15        7        14         8         9
## 1642      57          11        9        13        13         7
## 1643      37           7       11         7        16         8
## 1644      58          13        9         9        12        14
## 1645      67          10       15         7        14        10
## 1646      64           8       16        10        12        10
## 1647      58          13       11         9        10         7
## 1648      50           7        5        13         5         9
## 1649      61          14       10        13        14        15
## 1650      35          14       12        11         8         7
## 1651      64          13       11        13        13        14
## 1652      65          13       13        10        12         9
## 1653      69           7       10        13        11        12
## 1654      48          10       13         8         6         8
## 1655      70          12       10         9        14         8
```

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## 1656        58              7         14          7          12          12
## 1657        25             13         10          7           9          12
## 1658        68             15          8          6          13          14
## 1659        73             14         11         14          14          10
## 1660        15             74         78         64          72          77
## 1661        72             11         11         14          14           8
## 1662        70             10         15          8          12          15
## 1663        22             72         74         70          73          79
## 1664        24             12         10          9          10           7
## 1665        53             11         10         15           9          10
## 1666        80             13         13         13           8           6
## 1667        71             13          9          6          12          16
## 1668        56              8          7          7          11          14
## 1669        32              7         10          9          14          16
## 1670        74              6         13         11          16          14
## 1671        65             14         11         11          10          12
## 1672        59              9          7          7           7           9
## 1673        65             14         10         10          12           8
## 1674        33              7         12         11           7           6
## 1675        59             16          8          6           6          14
## 1676        49              8         11         14          14          14
## 1677        20              3          3          3           3           3
## 1678        50             15         13         11          15           9
## 1679        49             11          9          9           8          10
## 1680        32              7         11         10           8          14
## 1681        43             10         15         10          13          12
## 1682        68             12         16          8          13           9
## 1683        82              7         15          6          12          13
## 1684        58             14         10         15          12           7
## 1685        60             11         10         16          11          13
## 1686        43              9         11         12           6          14
## 1687        35             13          7          6          11          12
## 1688        75              6         11          7          12          10
## 1689        69              1          1          1           1           1
## 1690        28              9         11          8          11          10
## 1691        21             12         15         13           8           6
## 1692        53             15         13          7          14           7
## 1693        70              6          8         13          12          10
## 1694        31              9         14          6          13          11
## 1695        63             10         13          7           6           6
## 1696        53              7         16         11          14           9
## 1697        60             11          9         12           7          11
## 1698        63             14         11          8          11          15
## 1699        69              9          7          6          16          12
## 1700        62              8          8          7          11           6
## 1701        50              8         14         12           8          11
## 1702        61             11          9          9           9           7
## 1703        61              7          8         10           7           7
## 1704        70             14         13         12           9           7
## 1705        69             14          6         12          11          10
## 1706        27             13         13         13           9          13
## 1707        13             70         77         65          75          77
## 1708        37             14         13         11           8           6
## 1709        65             12          7         11          10           9
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## 1710        68              10         12          15           7            7
## 1711        19              75         79          69          74           71
## 1712        52              11         12          15          11            9
## 1713        50              13         13          13          11           10
## 1714        79               8         16          12          13            6
## 1715        49               6         13          15           8           13
## 1716        72              10         15          15           7            6
## 1717        54              15          9           9          13            7
## 1718        55              10          9          11          14           10
## 1719        48              16          7           8           7            6
## 1720        60              14         15          15          15           13
## 1721        71               9         10          10          12            7
## 1722        52              16         10           7           7           10
## 1723        16              70         78          69          72           77
## 1724        38              15          9          10          10           12
## 1725        74              10         16          12           6            8
## 1726        67              10          8           7          14           12
## 1727        73               8         13           8          14            8
## 1728        66              12         12          11          15           11
## 1729        26              10          7          15          11           15
## 1730        34              13          9           7           6           14
## 1731        81               8         13          10          13           10
## 1732        46               9          7          12          15           12
## 1733        45              15         12          10           6            9
## 1734        24              15         14          14           7           16
## 1735        42               6         13          16           9           12
## 1736        68               8         15           9           7           10
## 1737        19              71         78          68          73           78
## 1738        49               7         11          12          14           12
## 1739        19              72         77          66          69           79
## 1740        67              15         15          12           9           12
## 1741        68               8         10          16           7            8
## 1742        58              10         13          12          12            9
## 1743        63               9          8          11           9           12
## 1744        37              13         13           7           7           11
## 1745        28              11          7           7          10           15
## 1746        40              14         11          11          14           15
## 1747        30              15         11          12          12           15
## 1748        61              15          6          12          10            9
## 1749        70               4          4           4           4            4
## 1750        14              72         73          65          78           77
## 1751        67              13         10           8           7           10
## 1752        66              16         16           8          10            9
## 1753        58               9         12          15           6            5
## 1754        74              14         13           6          14           15
## 1755        62              10         10          14           8            8
## 1756        68              16          8          14          11           12
## 1757        72              12         15           9          10           10
## 1758        49               8         10          10          12           13
## 1759        68              14         13          13           9            7
## 1760        81              10          8          15          15            8
## 1761        71              12         14          11          15            7
## 1762        62               8          5          14          13           13
## 1763        57               8          9          13           7           15
```

```
## 1764        43              6         14          13          14           8
## 1765        43              8         10          16           9           9
## 1766        68             16         12          15           8          12
## 1767        48             12         14          14          10           9
## 1768        66             11         14          10          13           6
## 1769        37             13         10          12           9           5
## 1770        69              9          8          14          11           8
## 1771        68              7         12           7           7          11
## 1772        65             12         14          13          15           8
## 1773        41             14         15          15           9          10
## 1774        63              9         16           8          10          15
## 1775        71             14          7          14          11          15
## 1776        64              9         12          11          11          12
## 1777        17              8         12           7          11          14
## 1778        23             12         15          15          11          14
## 1779        19             76         75          74          73          78
## 1780        24             12         15           9          16           6
## 1781        41              6          9          10          10          12
## 1782        36             11         14           7          15          16
## 1783        61             11         16          13          14          12
## 1784        19             75         80          70          68          77
## 1785        75             13         11           6           6           7
## 1786        22             11         12          10          14          16
## 1787        70             13         14          10          11           7
## 1788        56             15          6           5          12           8
## 1789        69             15         10          10          10          14
## 1790        54             13          9          15          10          15
## 1791        14              9         14          16           6          15
## 1792        68              9         14          12           7          16
## 1793        55              6         12          16          14          10
## 1794        63              9         11          16           7          12
## 1795        62              7         12          13          10          14
## 1796        76              6         12           8          13           7
## 1797        69             13         10           8           6           9
## 1798        72             11          9          11           9          10
## 1799        25              9          7          16          11          15
## 1800        65             12         11           9           6           9
## 1801        14              9         12           7          15          16
## 1802        44             12         10          14          11          16
## 1803        32              9         16           8          15           8
## 1804        49             13          9           6          10          15
## 1805        57             14          6          12          14          12
## 1806        14             70         77          65          72          77
## 1807        28             13         10          11           9          14
## 1808        68             13          6           7          12          14
## 1809        62             13         12           8          13          15
## 1810        73              8         10          10          14          11
## 1811        69             15          8           9           8           8
## 1812        62              8         16          12          13          10
## 1813        17              7         14           7          15          15
## 1814        70             13         12          12          16           7
## 1815        41              7          8          11           9          11
## 1816        60             10          9           7          12          16
## 1817        69              9          8           7           8          12
```

```
## 1818        58              11          12          12          15          10
## 1819        31              14          14           7          12          12
## 1820        74               6           8          10           8          10
## 1821        66              13           6           6          13          16
## 1822        60              12           6          10          14          11
## 1823        72              13          15           9           5          14
## 1824        62               7           6           7           6          12
## 1825        73               7          13          15           6          15
## 1826        13              74          75          65          70          78
## 1827        73               7           8           6           8           7
## 1828        27              11          14           9          12           9
## 1829        58              13          14          13          11          14
## 1830        56               6          12           8          16          13
## 1831        42              13           8          13          11          13
## 1832        73               6          14           6           9          16
## 1833        34              15          10          16          13          16
## 1834        62               6           9           9          11           7
## 1835        60              10          14           9           7           7
## 1836        27              12          15           8          12          11
## 1837        37               9           9           6           6          11
## 1838        55               6           8          12          11           6
## 1839        65              11          10           7          16          13
## 1840        64              16           7          10          10          14
## 1841        70              12           8          16          12           7
## 1842        61              15          12          16           9          16
## 1843        44               6          10           6           7           5
## 1844        45              14           6          15           7          11
## 1845        60              15          10          12          14          11
## 1846        77               9           8          12           7          16
## 1847        62              10          12          11          13           7
## 1848        59              15          10          12          10          14
## 1849        44              16           6          13          13          15
## 1850        59              15          12          11          10           6
## 1851        77              13          12          16          12          12
## 1852        76              12          11           9           9           8
## 1853        24              76          75          69          74          76
## 1854        60               9          10           8          15          13
## 1855        60               7          13          15           7          15
## 1856        45              14          13           8           9          10
## 1857        59              10           9           8          15           9
## 1858        59              14           9          16          11           6
## 1859        66               7           7          11           7          14
## 1860        65              14          12           7          16           7
## 1861        71              11          15          14          13           6
## 1862        26              13           9           7          13          12
## 1863        77               3           3           3           3           3
## 1864        74               6          14           8           6           9
## 1865        62               7          10           8          12          14
## 1866        70              16           8          10          13          10
## 1867        77              15          10           7          16          14
## 1868        67              14          16          12           6           9
## 1869        32              10           6          12          15           6
## 1870        45              10          14          16          16          10
## 1871        71              13          16           6          14          14
```

```
## 1872       75             13         9         11          16           8
## 1873       72             11        14         10          11           6
## 1874       19             76        76         72          68          77
## 1875       27             16        11         16          12           8
## 1876       53              9         9         10          12          13
## 1877       67             10         9          9          13           9
## 1878       55              9        16         15           9          14
## 1879       52              9        12          9          10          11
## 1880       74             15         7          8           9           9
## 1881       42              7         6         10          15           6
## 1882       33             10         8          7           7          11
## 1883       49              7         7         14           6          14
## 1884       53              8         9          7          15           6
## 1885       27             14        11         12          12          13
## 1886       77             13        15         16           7          16
##  [ reached getOption("max.print") -- omitted 15702 rows ]
```

```r
nrow(soccer_positioncleaned)
```

```
## [1] 7434
```

```r
soccer_positioncleaned <- soccer_positioncleaned[!(soccer_positioncleaned$Club_Position==""), ]
nrow(soccer_positioncleaned)
```

```
## [1] 3656
```

```r
levels(as.factor(soccer_positioncleaned$Club_Position))
```

```
##  [1] "CAM" "CB"  "CDM" "CF"  "CM"  "GK"  "LAM" "LB"  "LCB" "LCM" "LDM"
## [12] "LF"  "LM"  "LS"  "LW"  "LWB" "RAM" "RB"  "RCB" "RCM" "RDM" "RF"
## [23] "RM"  "RS"  "RW"  "RWB" "ST"
```

```r
soccer_positioncleaned$Club_Position[grepl("CAM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("CDM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("CM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("LAM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("LCM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("LDM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("LM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("RAM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("RCM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("RDM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("RM", soccer_positioncleaned$Club_Position)] <- "Midfielder"
soccer_positioncleaned$Club_Position[grepl("CB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("LB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("LCB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("LWB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("RB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("RCB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("RWB", soccer_positioncleaned$Club_Position)] <- "Defense"
soccer_positioncleaned$Club_Position[grepl("GK", soccer_positioncleaned$Club_Position)] <- "Goalkeeper"
soccer_positioncleaned$Club_Position[grepl("CF", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("LF", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("LS", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("LW", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("RF", soccer_positioncleaned$Club_Position)] <- "Attacker"
```

```r
soccer_positioncleaned$Club_Position[grepl("RS", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("RW", soccer_positioncleaned$Club_Position)] <- "Attacker"
soccer_positioncleaned$Club_Position[grepl("ST", soccer_positioncleaned$Club_Position)] <- "Attacker"

levels(as.factor(soccer_positioncleaned$Club_Position))
```

```
## [1] "Attacker"   "Defense"    "Goalkeeper" "Midfielder"
```

Comment:

The one player who currently does not have club position is Didier Drogba. He is not belonged to any club at that moment when the FIFA made ratings. However, since I know him a striker, I will record him as a striker.

As we found above, there are 30 different positions shown. However, "Sub" and "Res" are not really the position we can deal with. The one way to deal with this problem is to assign the rows of "Sub" and "Res" players (for club position), and try to find the natioanl positions of these players.

After that, I can combine CB, LB, LCB, LWB, RB, RCB, and RWB into defense position. I can combine CAM, CDM, CM, LAM, LCM, LDM, LM, RAM, RCM, RDM, and RM into midfielder position. I can combine CF, LF, LS, LW, RF, RS, RW, and ST.

Multivariate tests

Test:

My null hypotheses H_0 are: (μ and β are means for each group. For example, μ_{11} will be the mean of both first level of both factors)

1. H_0^{int}: $\mu_{11} = \mu_{21} = \mu_{31} = \mu_{41} = \mu_{21} = \mu_{22} = \mu_{23} = \mu_{24} = 0$ (no interaction effect)
2. H_0^{fac1}: $\mu_1 = \mu_2 = \mu_3 = \mu_4 = 0$
3. H_0^{fac2}: $\beta_1 = \beta_2 = 0$ (I am following the notations from the textbook)

Test statistics for each H_0 are (where Λ^* is Wilk's lambda and SSP = Sum of Squares and cross Products):

1. $\Lambda^*_{int} = \frac{SSP_{res}}{SSP_{int} + SSP_{res}}$
2. $\Lambda^*_{fac1} = \frac{SSP_{res}}{SSP_{fac1} + SSP_{res}}$
3. $\Lambda^*_{fac2} = \frac{SSP_{res}}{SSP_{fac2} + SSP_{res}}$

I will do a test for interaction before the tests for main factor effects, because if interaction effects exist, the factor effects do not have a clear interpretation. Thus, we do not need to proceed additional multivariate tests (pg.316)

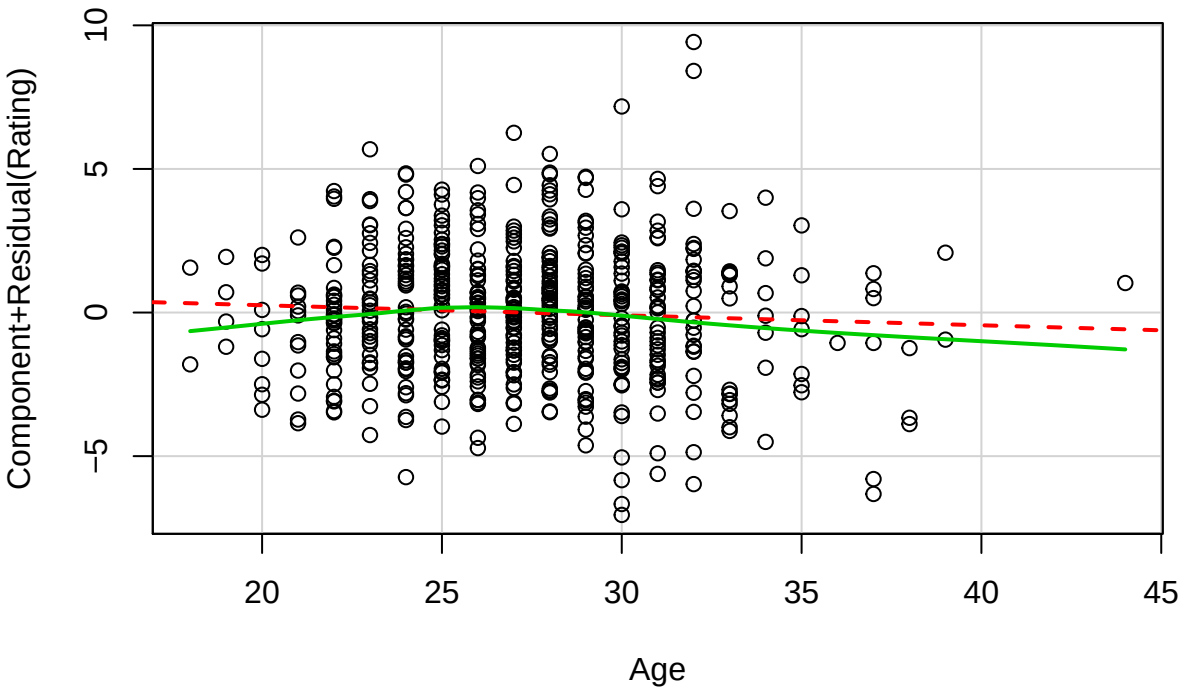
```r
soccer.manova <- manova(cbind(Rating, Age) ~ as.factor(Club_Position) * as.factor(Preffered_Foot),
                        data = soccer_positioncleaned)
summary.manova(soccer.manova, test = "Wilks")
```

```
##                                                   Df   Wilks approx F
## as.factor(Club_Position)                           3 0.95995  25.0976
## as.factor(Preffered_Foot)                          1 0.99788   3.8678
## as.factor(Club_Position):as.factor(Preffered_Foot)    3 0.99648   2.1463
## Residuals                                       3648
##                                                 num Df den Df  Pr(>F)
## as.factor(Club_Position)                             6   7294 < 2e-16
## as.factor(Preffered_Foot)                            2   3647 0.02099
## as.factor(Club_Position):as.factor(Preffered_Foot)      6   7294 0.04515
## Residuals
##
## as.factor(Club_Position)                        ***
## as.factor(Preffered_Foot)                       *
## as.factor(Club_Position):as.factor(Preffered_Foot) *
## Residuals
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

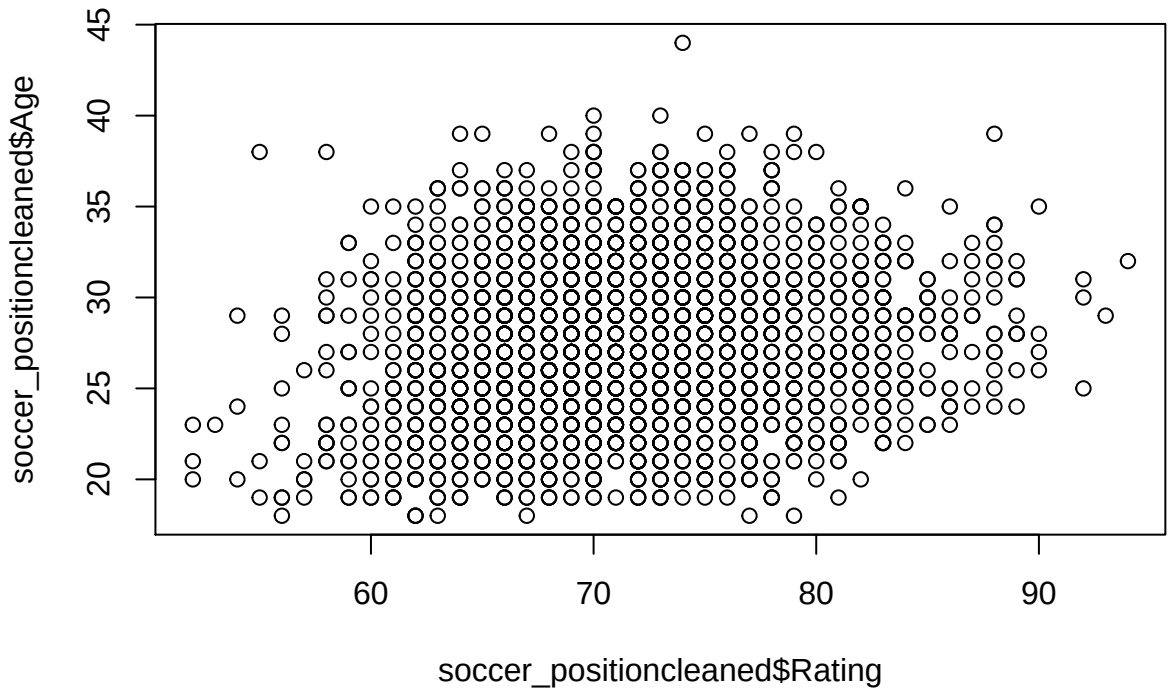
```r
summary.aov(soccer.manova, test = "Wilks")
```

```
##  Response Rating :
##                                                   Df Sum Sq Mean Sq
## as.factor(Club_Position)                           3   1260  419.98
## as.factor(Preffered_Foot)                          1     15   14.76
## as.factor(Club_Position):as.factor(Preffered_Foot)    3    174   58.02
## Residuals                                       3648 125462   34.39
##                                                 F value    Pr(>F)
## as.factor(Club_Position)                        12.2117 5.993e-08 ***
## as.factor(Preffered_Foot)                        0.4291    0.5125
## as.factor(Club_Position):as.factor(Preffered_Foot)  1.6869    0.1676
## Residuals
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
##  Response Age :
##                                                   Df Sum Sq Mean Sq
## as.factor(Club_Position)                           3   1783  594.36
## as.factor(Preffered_Foot)                          1    105  105.11
## as.factor(Club_Position):as.factor(Preffered_Foot)    3    109   36.30
## Residuals                                       3648  57985   15.90
##                                                 F value  Pr(>F)
## as.factor(Club_Position)                        37.3930 < 2e-16 ***
## as.factor(Preffered_Foot)                        6.6127 0.01016 *
## as.factor(Club_Position):as.factor(Preffered_Foot)  2.2834 0.07701 .
## Residuals
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
plot1 <- lm(Rating ~ ., data = soccer_positioncleaned[,-c(1,2,3,5,8,11,12,14,16,17)])

crPlot(plot1, variable = "Age")
```




```r
plot(soccer_positioncleaned$Rating, soccer_positioncleaned$Age)
```



Linear Regression

(b)

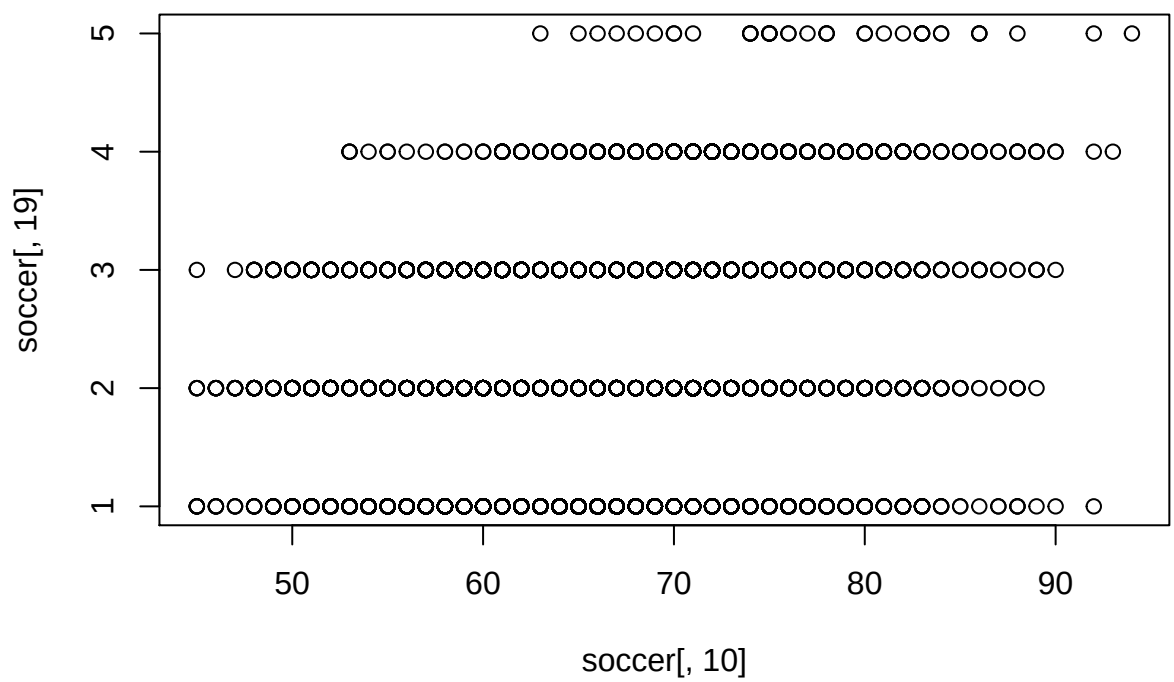
```r
soccer$Height <- as.character(soccer$Height)
soccer$Height <- as.numeric(substr(soccer$Height, 1,3))

soccer$Weight <- as.character(soccer$Weight)
soccer$Weight <- as.numeric(substr(soccer$Weight, 1,2))


a <- names(soccer)[c(1:8,13,14,16,17) ]

formula <- paste(a, collapse = " - ")
formula <- paste("Rating ~. -", formula)
formula <- as.formula(formula)
lmfit <- lm(formula,  data = soccer)

summary(lmfit)
```

```
##
## Call:
## lm(formula = formula, data = soccer)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -9.0853 -1.7691  0.0305  1.7416 13.7478
##
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)         1.016e+02  1.090e+02   0.932 0.351772
## Contract_Expiry    -4.783e-02  5.373e-02  -0.890 0.373625
## Height              2.827e-02  2.547e-02   1.110 0.267408
## Weight              2.026e-02  2.051e-02   0.988 0.323516
## Age                -3.613e-02  2.639e-02  -1.369 0.171329
## Weak_foot           1.091e-01  1.205e-01   0.905 0.365693
## Skill_Moves         9.184e-01  1.858e-01   4.944 8.95e-07 ***
## Ball_Control        1.373e-01  2.083e-02   6.588 7.07e-11 ***
## Dribbling           2.512e-02  1.770e-02   1.419 0.156257
## Marking            -2.711e-02  1.619e-02  -1.674 0.094394 .
## Sliding_Tackle      2.619e-02  1.793e-02   1.461 0.144348
## Standing_Tackle     4.545e-02  1.883e-02   2.413 0.015982 *
## Aggression         -6.374e-05  9.087e-03  -0.007 0.994404
## Reactions           3.849e-01  1.638e-02  23.500  < 2e-16 ***
## Attacking_Position -5.958e-02  1.323e-02  -4.504 7.41e-06 ***
## Interceptions      -2.431e-02  1.319e-02  -1.843 0.065663 .
## Vision             -2.057e-02  1.169e-02  -1.760 0.078668 .
## Composure           7.975e-02  1.102e-02   7.236 9.00e-13 ***
## Crossing           -1.575e-03  1.151e-02  -0.137 0.891180
## Short_Pass          7.323e-02  2.017e-02   3.631 0.000296 ***
## Long_Pass           1.151e-02  1.505e-02   0.764 0.444768
## Acceleration        2.489e-02  1.864e-02   1.335 0.182161
## Speed               1.689e-02  1.737e-02   0.972 0.331058
```

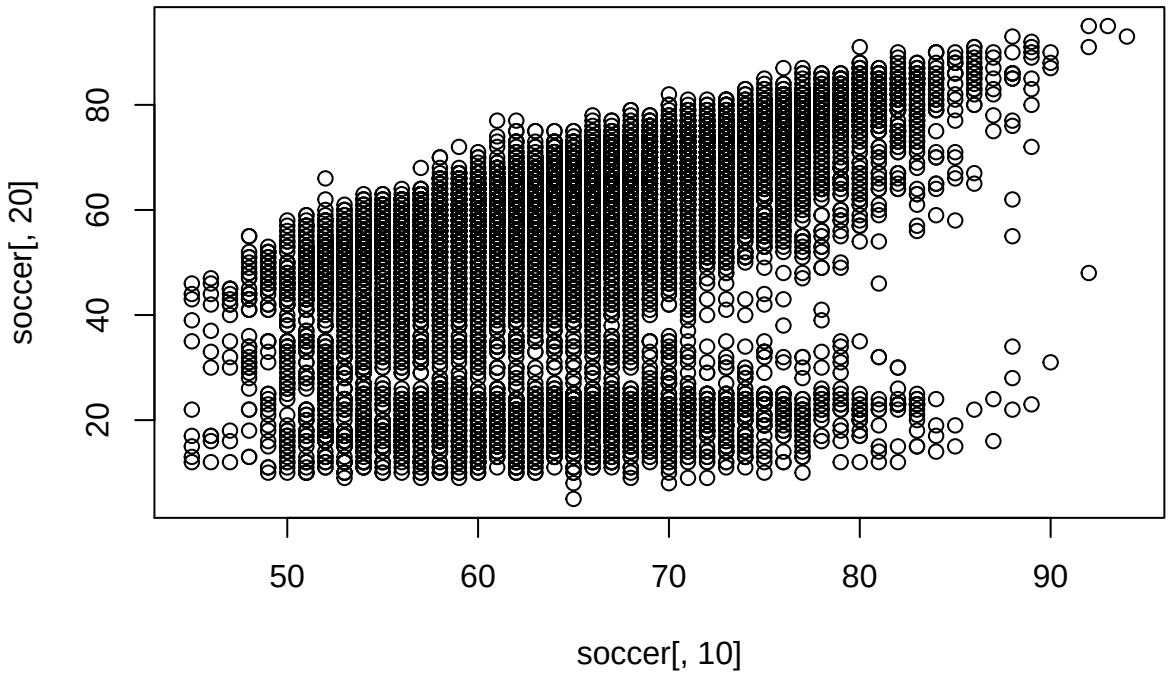
```
## Stamina            -1.441e-02  1.175e-02  -1.226 0.220610
## Strength            3.492e-02  1.207e-02   2.895 0.003877 **
## Balance            -9.942e-03  1.293e-02  -0.769 0.442133
## Agility             1.790e-02  1.301e-02   1.376 0.169141
## Jumping             1.398e-02  9.300e-03   1.503 0.133052
## Heading             7.721e-02  1.106e-02   6.980 5.27e-12 ***
## Shot_Power          2.194e-02  1.242e-02   1.767 0.077581 .
## Finishing          -2.083e-03  1.392e-02  -0.150 0.881087
## Long_Shots         -2.653e-02  1.369e-02  -1.937 0.052971 .
## Curve              -1.889e-03  1.194e-02  -0.158 0.874330
## Freekick_Accuracy   2.100e-02  9.540e-03   2.201 0.027953 *
## Penalties          -8.935e-03  1.025e-02  -0.871 0.383708
## Volleys             8.667e-03  1.165e-02   0.744 0.457269
## GK_Positioning      2.915e-02  2.429e-02   1.200 0.230337
## GK_Diving           2.824e-02  2.472e-02   1.142 0.253548
## GK_Kicking          6.343e-02  2.219e-02   2.859 0.004340 **
## GK_Handling         1.110e-01  2.410e-02   4.605 4.64e-06 ***
## GK_Reflexes         6.201e-02  2.437e-02   2.545 0.011075 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 2.66 on 1034 degrees of freedom
##   (16513 observations deleted due to missingness)
## Multiple R-squared:  0.8592, Adjusted R-squared:  0.8538
## F-statistic: 157.8 on 40 and 1034 DF,  p-value: < 2.2e-16
```

(a)

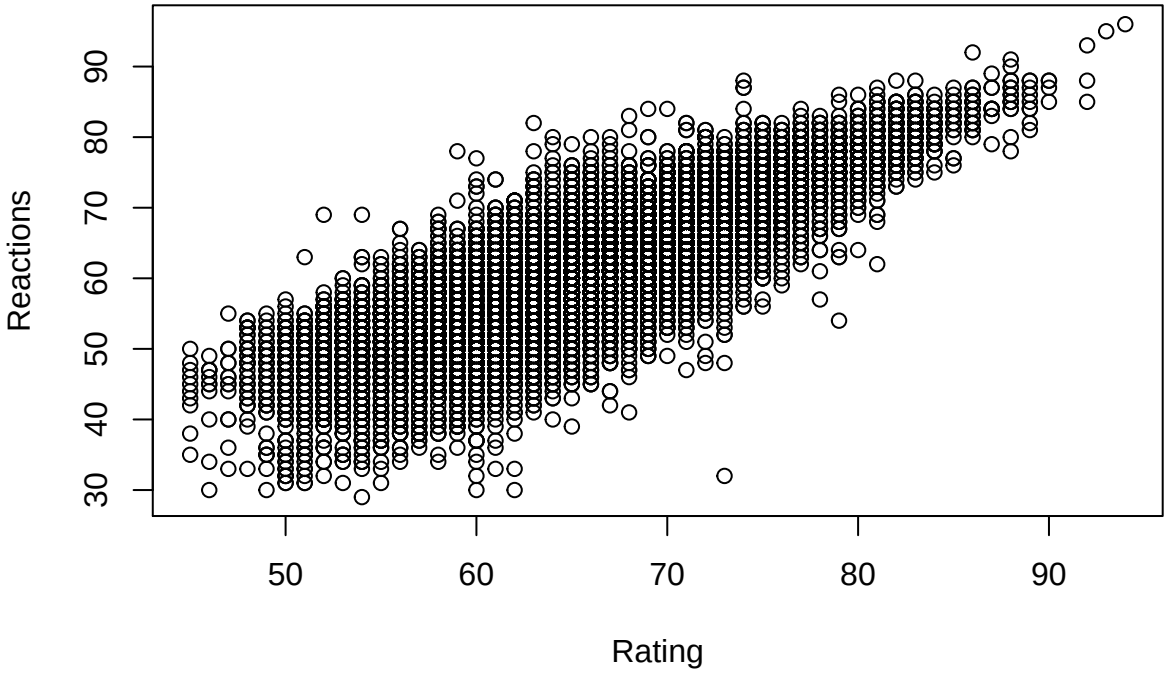
```r
plot(soccer[,10], soccer[,19])
```



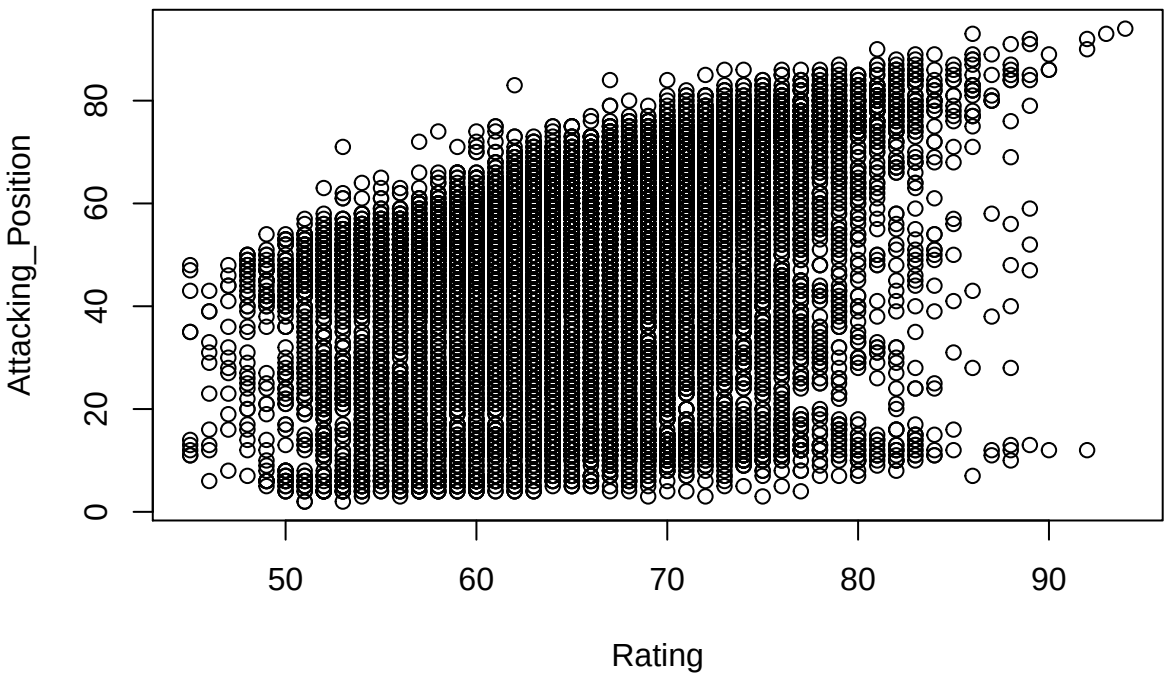
```r
plot(soccer[,10], soccer[,20])
```



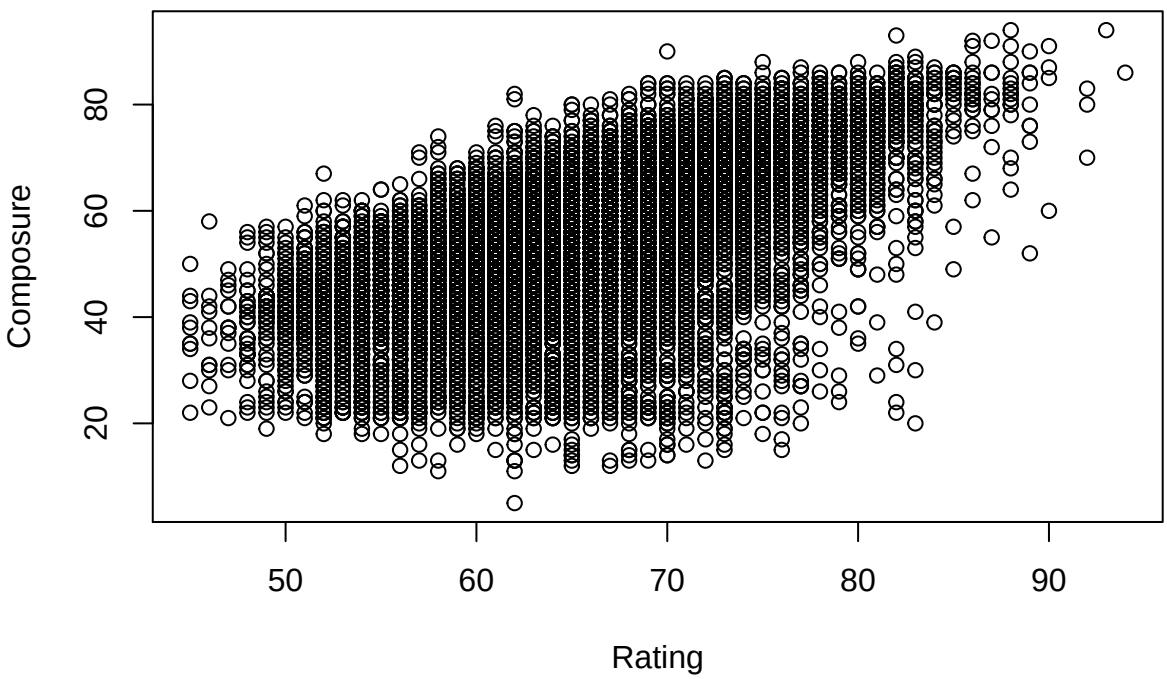

```r
plot(soccer[,10], soccer[,26], xlab = names(soccer)[10] , ylab = names(soccer)[26])
```




```r
plot(soccer[,10], soccer[,27], xlab = names(soccer)[10] , ylab = names(soccer)[27])
```

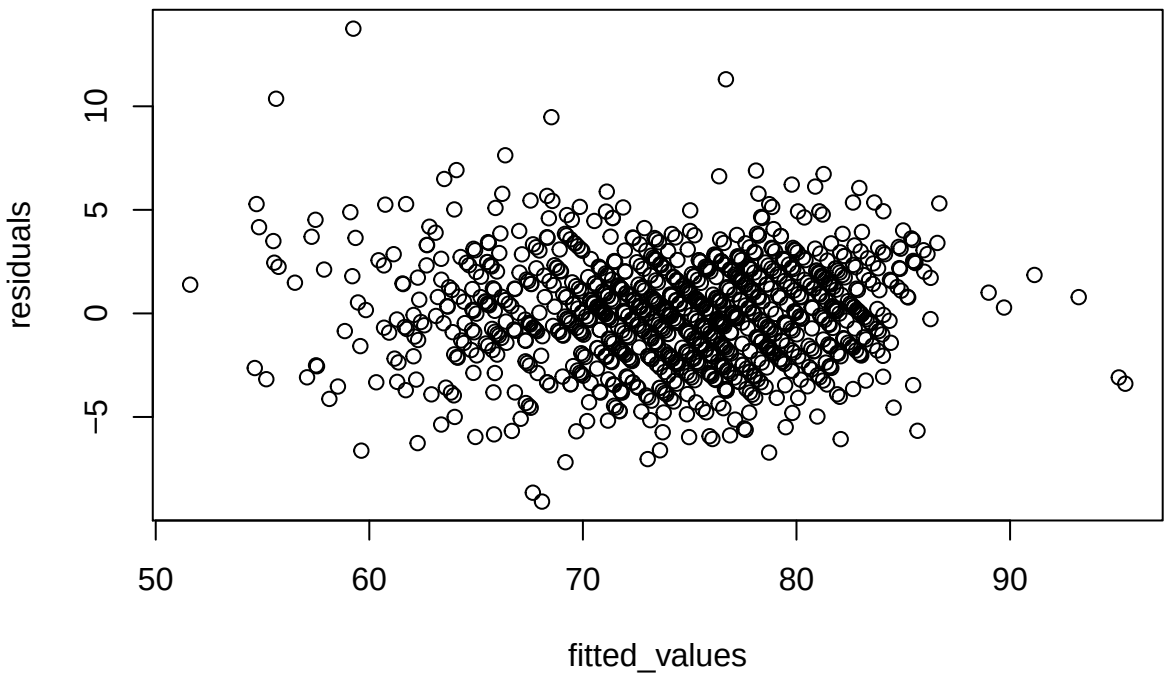



```r
plot(soccer[,10], soccer[,30], xlab = names(soccer)[10] , ylab = names(soccer)[30])
```



(c)

```r
plot(x = lmfit$fitted.values, y = lmfit$residuals, xlab = "fitted_values", ylab = "residuals")
```



(d)

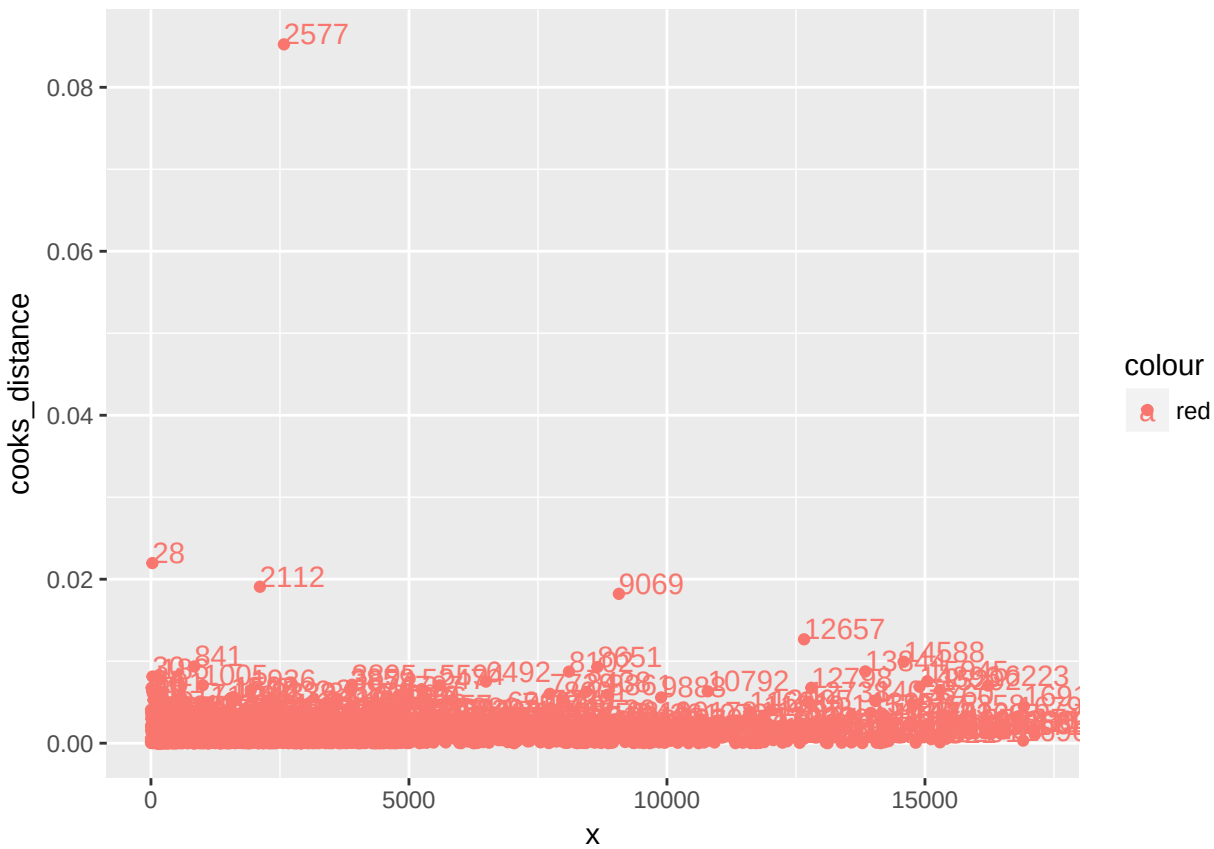
```
cooks <- data.frame(x = as.numeric(names(cooks.distance(lmfit))), cooks_distance = cooks.distance(lmfit)


as.numeric(names(cooks.distance(lmfit)))
```

```
##     [1]     1     2     3     4     5     6     7     8    10    11    12
##    [12]    14    15    16    17    18    20    21    23    24    25    26
##    [23]    27    28    30    32    33    34    35    37    38    40    42
##    [34]    43    44    45    46    48    49    50    51    52    53    54
##    [45]    55    56    57    58    60    65    66    69    70    72    73
##    [56]    76    77    78    79    81    83    84    85    87    88    92
##    [67]    93    94    95    97    98   101   102   103   108   109   112
##    [78]   115   116   117   120   121   122   124   125   126   127   128
##    [89]   130   131   132   133   135   137   138   139   142   143   144
##   [100]   146   148   149   151   152   154   155   156   159   163   164
##   [111]   165   166   168   169   170   171   175   178   179   181   184
##   [122]   186   187   188   189   190   191   192   194   198   199   200
##   [133]   205   210   212   217   218   221   222   223   225   228   229
##   [144]   230   231   236   237   240   243   244   245   247   248   251
##   [155]   252   255   257   258   260   263   265   266   267   269   270
##   [166]   272   280   289   290   292   293   297   299   300   301   303
##   [177]   306   307   310   312   315   318   321   322   323   325   328
##   [188]   330   331   333   334   338   341   342   345   347   349   356
##   [199]   357   362   363   368   379   389   390   391   393   398   400
##   [210]   401   402   406   408   410   416   420   422   423   426   428
##   [221]   430   432   435   437   441   442   455   456   460   467   473
##   [232]   478   481   483   485   487   492   494   496   497   498   506
##   [243]   509   510   511   517   519   520   529   530   535   537   543
##   [254]   544   546   547   554   555   560   570   574   575   579   581
```

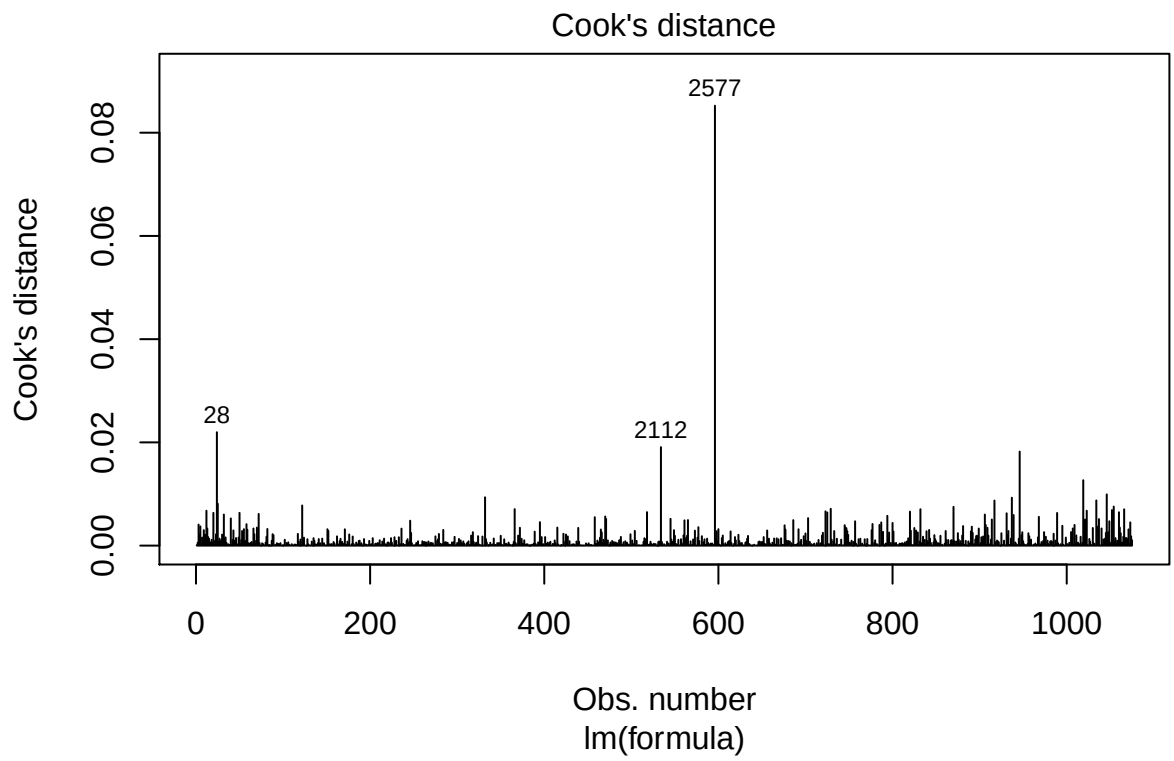
```
##  [265]  582  584  588  589  596  601  605  607  611  612  620
##  [276]  627  629  633  634  637  647  653  656  658  660  663
##  [287]  664  670  684  693  699  700  701  706  708  709  710
##  [298]  712  715  727  730  739  741  743  744  745  747  748
##  [309]  749  752  757  759  765  770  771  772  774  775  779
##  [320]  785  786  788  800  813  814  818  819  830  831  833
##  [331]  834  841  843  844  849  853  854  855  867  869  877
##  [342]  879  880  886  890  898  908  910  924  927  931  934
##  [353]  939  940  941  944  950  956  958  962  963  967  980
##  [364]  982 1000 1005 1008 1019 1020 1024 1031 1036 1037 1038
##  [375] 1046 1062 1066 1068 1074 1085 1093 1098 1104 1106 1112
##  [386] 1113 1115 1125 1126 1130 1132 1137 1140 1145 1152 1160
##  [397] 1162 1164 1169 1170 1171 1172 1174 1202 1235 1236 1241
##  [408] 1242 1250 1272 1276 1289 1300 1301 1320 1327 1330 1337
##  [419] 1343 1344 1350 1353 1354 1370 1377 1382 1391 1392 1396
##  [430] 1400 1405 1432 1438 1439 1440 1443 1453 1458 1461 1464
##  [441] 1467 1473 1474 1477 1481 1482 1486 1500 1503 1509 1511
##  [452] 1513 1520 1521 1527 1532 1545 1547 1553 1554 1558 1560
##  [463] 1566 1571 1572 1575 1576 1588 1597 1598 1604 1607 1608
##  [474] 1635 1637 1639 1645 1677 1678 1680 1693 1697 1706 1707
##  [485] 1720 1726 1731 1739 1754 1766 1768 1770 1779 1784 1805
##  [496] 1807 1835 1838 1845 1852 1853 1864 1865 1876 1877 1883
##  [507] 1885 1887 1888 1893 1899 1903 1914 1916 1925 1927 1932
##  [518] 1936 1938 1954 1964 1970 1992 1997 1998 2001 2021 2035
##  [529] 2081 2082 2090 2092 2105 2112 2162 2165 2169 2175 2181
##  [540] 2183 2204 2205 2210 2230 2232 2234 2235 2241 2246 2248
##  [551] 2256 2259 2266 2270 2282 2286 2287 2302 2305 2316 2322
##  [562] 2325 2332 2333 2339 2343 2348 2352 2356 2377 2383 2385
##  [573] 2391 2393 2399 2403 2410 2413 2420 2424 2425 2428 2451
##  [584] 2459 2467 2485 2494 2495 2498 2499 2539 2550 2552 2565
##  [595] 2574 2577 2626 2630 2633 2638 2653 2665 2676 2682 2707
##  [606] 2709 2718 2735 2738 2742 2743 2745 2750 2751 2752 2768
##  [617] 2777 2781 2787 2790 2800 2804 2810 2812 2814 2818 2819
##  [628] 2826 2830 2835 2845 2869 2872 2873 2880 2881 2895 2902
##  [639] 2903 2904 2916 2917 2918 2935 2958 2970 2980 2983 2985
##  [650] 2986 3005 3008 3024 3027 3041 3042 3051 3069 3072 3079
##  [661] 3088 3112 3113 3118 3123 3139 3160 3172 3173 3185 3251
##  [672] 3252 3265 3282 3302 3312 3321 3331 3367 3374 3382 3388
##  [683] 3389 3397 3401 3425 3431 3439 3443 3445 3455 3456 3466
##  [694] 3474 3490 3507 3510 3511 3520 3544 3546 3577 3584 3597
##  [705] 3609 3638 3655 3657 3667 3670 3675 3676 3695 3697 3698
##  [716] 3716 3732 3741 3771 3774 3777 3787 3859 3872 3874 3875
##  [727] 3876 3894 3895 3906 3954 3963 3964 3965 4005 4020 4033
##  [738] 4035 4046 4060 4097 4140 4146 4166 4169 4174 4179 4204
##  [749] 4212 4249 4259 4282 4284 4288 4294 4306 4308 4319 4326
##  [760] 4353 4362 4363 4381 4397 4400 4414 4434 4437 4440 4443
##  [771] 4481 4483 4488 4495 4514 4522 4557 4577 4591 4623 4630
##  [782] 4634 4635 4636 4638 4685 4719 4721 4738 4756 4764 4768
##  [793] 4769 4797 4806 4807 4828 4830 4845 4856 4919 4921 4951
##  [804] 4970 4988 5003 5007 5018 5027 5031 5033 5069 5074 5080
##  [815] 5088 5101 5104 5166 5205 5247 5248 5255 5338 5347 5357
##  [826] 5370 5389 5396 5404 5476 5545 5594 5663 5674 5696 5702
##  [837] 5709 5714 5745 5851 5882 5889 5899 5916 5976 6010 6057
##  [848] 6084 6085 6119 6123 6141 6143 6214 6244 6247 6251 6264
```

```
## [859]  6279  6282  6283  6302  6327  6374  6426  6435  6436  6438  6484
## [870]  6492  6518  6551  6634  6635  6636  6698  6736  6737  6798  6883
## [881]  6905  6917  6925  7017  7018  7040  7074  7086  7137  7144  7197
## [892]  7272  7301  7338  7374  7389  7407  7413  7536  7548  7576  7577
## [903]  7678  7706  7708  7729  7730  7732  7747  7795  7855  7953  7979
## [914]  8001  8025  8075  8102  8185  8227  8228  8231  8259  8264  8296
## [925]  8355  8369  8388  8400  8427  8428  8438  8511  8520  8567  8605
## [936]  8607  8651  8724  8861  8863  8898  8906  8917  8956  9049  9069
## [947]  9190  9210  9219  9297  9325  9347  9353  9361  9367  9426  9463
## [958]  9466  9546  9552  9665  9666  9685  9729  9730  9850  9887  9888
## [969]  9956  9970 10052 10071 10176 10178 10205 10208 10209 10235 10410
## [980] 10418 10428 10463 10509 10612 10705 10720 10780 10783 10792 10794
## [991] 10922 11327 11363 11471 11601 11610 11628 11725 11726 11727 11728
## [1002] 11784 11793 11795 11807 11808 11869 11884 12005 12059 12068 12238
## [1013] 12252 12256 12331 12360 12571 12656 12657 12732 12738 12740 12798
## [1024] 13080 13113 13167 13177 13386 13576 13579 13612 13613 13787 13844
## [1035] 13946 13953 14038 14062 14143 14217 14218 14274 14297 14369 14391
## [1046] 14588 14721 14741 14760 14821 14862 14896 14964 15045 15088 15089
## [1057] 15120 15232 15291 15292 15358 15366 15384 15416 15799 16223 16268
## [1068] 16330 16415 16569 16792 16903 16917 17114 17130
```

```
ggplot(cooks, aes(x = x, y= cooks_distance, colour="red"))+ geom_point()+ geom_text(aes(label=x),hjust=0
```




```
plot(lmfit, which = 4)
```



(e)

```
remove1 <- cooks[order(cooks[,2], decreasing = T)[1:3], 1]
remove1
```

```
## [1] 2577   28 2112
```

```
influ <- data.frame(x = as.numeric(names(influence(lmfit)$hat)), influence = influence(lmfit)$hat)
influ
```

```
##           x  influence
## 1         1 0.04244549
## 2         2 0.04372629
## 3         3 0.03872903
## 4         4 0.05749647
## 5         5 0.07930036
## 6         6 0.04541637
## 7         7 0.03638413
## 8         8 0.03612608
## 10       10 0.04898360
## 11       11 0.04223314
## 12       12 0.02005944
## 14       14 0.04839042
## 15       15 0.03673608
## 16       16 0.03552854
## 17       17 0.03820699
## 18       18 0.02282333
## 20       20 0.03675782
## 21       21 0.03175800
```

```
## 23        23 0.02273515
## 24        24 0.05709938
## 25        25 0.03387342
## 26        26 0.04214577
## 27        27 0.08283850
## 28        28 0.04544511
## 30        30 0.04726375
## 32        32 0.06364739
## 33        33 0.03512167
## 34        34 0.05265529
## 35        35 0.03413210
## 37        37 0.03721413
## 38        38 0.01887428
## 40        40 0.04266194
## 42        42 0.04094501
## 43        43 0.04184451
## 44        44 0.02164687
## 45        45 0.04102450
## 46        46 0.02822896
## 48        48 0.03272119
## 49        49 0.04472335
## 50        50 0.05933575
## 51        51 0.04470584
## 52        52 0.02749886
## 53        53 0.03288097
## 54        54 0.04235222
## 55        55 0.02958526
## 56        56 0.04330071
## 57        57 0.02974018
## 58        58 0.03123209
## 60        60 0.02885394
## 65        65 0.04350601
## 66        66 0.03056746
## 69        69 0.03385363
## 70        70 0.06280339
## 72        72 0.03374152
## 73        73 0.03968551
## 76        76 0.02795439
## 77        77 0.03205411
## 78        78 0.02413655
## 79        79 0.03438656
## 81        81 0.02482057
## 83        83 0.04307073
## 84        84 0.02410128
## 85        85 0.02786462
## 87        87 0.03935300
## 88        88 0.04097301
## 92        92 0.03397365
## 93        93 0.05821447
## 94        94 0.02804143
## 95        95 0.05002203
## 97        97 0.03401583
## 98        98 0.02760278
## 101      101 0.04837364
```

```
## 102      102 0.03789667
## 103      103 0.01978875
## 108      108 0.02737801
## 109      109 0.03132872
## 112      112 0.01970992
## 115      115 0.02317919
## 116      116 0.02333663
## 117      117 0.02466364
## 120      120 0.02843871
## 121      121 0.04058423
## 122      122 0.03490256
## 124      124 0.02327067
## 125      125 0.02991958
## 126      126 0.02813188
## 127      127 0.02539986
## 128      128 0.04234149
## 130      130 0.05616417
## 131      131 0.03377578
## 132      132 0.04224231
## 133      133 0.02434679
## 135      135 0.02975404
## 137      137 0.02600998
## 138      138 0.03246973
## 139      139 0.03029418
## 142      142 0.03435128
## 143      143 0.03050039
## 144      144 0.04544637
## 146      146 0.03063094
## 148      148 0.03633294
## 149      149 0.03237221
## 151      151 0.02743825
## 152      152 0.04036208
## 154      154 0.01758742
## 155      155 0.04383584
## 156      156 0.03779641
## 159      159 0.02168083
## 163      163 0.02858161
## 164      164 0.03636533
## 165      165 0.03415653
## 166      166 0.03062505
## 168      168 0.02597521
## 169      169 0.06432906
## 170      170 0.02633468
## 171      171 0.02167790
## 175      175 0.04319623
## 178      178 0.05021242
## 179      179 0.04231639
## 181      181 0.04326315
## 184      184 0.08676731
## 186      186 0.04674552
## 187      187 0.03338947
## 188      188 0.01975052
## 189      189 0.03109856
## 190      190 0.02661066
```

```
## 191      191 0.04854339
## 192      192 0.03787966
## 194      194 0.02355598
## 198      198 0.02734128
## 199      199 0.07573042
## 200      200 0.02540539
## 205      205 0.02388263
## 210      210 0.03263368
## 212      212 0.03931516
## 217      217 0.05026912
## 218      218 0.04128824
## 221      221 0.03755111
## 222      222 0.03668833
## 223      223 0.04890136
## 225      225 0.04773997
## 228      228 0.02397396
## 229      229 0.02646184
## 230      230 0.02967824
## 231      231 0.02628319
## 236      236 0.04340397
## 237      237 0.03325141
## 240      240 0.02421359
## 243      243 0.04594688
## 244      244 0.02024753
## 245      245 0.05764371
## 247      247 0.05030489
## 248      248 0.03760584
## 251      251 0.03542949
## 252      252 0.02599843
## 255      255 0.02498184
## 257      257 0.03023098
## 258      258 0.02756014
## 260      260 0.04539421
## 263      263 0.04285325
## 265      265 0.01962180
## 266      266 0.04003084
## 267      267 0.04666186
## 269      269 0.03500807
## 270      270 0.03496494
## 272      272 0.03556997
## 280      280 0.03156487
## 289      289 0.03561090
## 290      290 0.02386830
## 292      292 0.01959456
## 293      293 0.08638101
## 297      297 0.02951488
## 299      299 0.02377123
## 300      300 0.04813767
## 301      301 0.01673675
## 303      303 0.04026002
## 306      306 0.02637560
## 307      307 0.03860603
## 310      310 0.02966013
## 312      312 0.04929542
```

```
## 315      315 0.03062229
## 318      318 0.02656549
## 321      321 0.06091539
## 322      322 0.03368398
## 323      323 0.02535685
## 325      325 0.03496259
## 328      328 0.03974840
## 330      330 0.07448656
## 331      331 0.01824959
## 333      333 0.03014494
## 334      334 0.01555671
## 338      338 0.05127226
## 341      341 0.03371213
## 342      342 0.03539459
## 345      345 0.02581651
## 347      347 0.05950739
## 349      349 0.02660481
## 356      356 0.03823943
## 357      357 0.02940043
## 362      362 0.02007786
## 363      363 0.04304172
## 368      368 0.03741832
## 379      379 0.03404986
## 389      389 0.02549777
## 390      390 0.02637774
## 391      391 0.03854901
## 393      393 0.03176232
## 398      398 0.03612641
## 400      400 0.05718119
## 401      401 0.02908666
## 402      402 0.03874512
## 406      406 0.03697525
## 408      408 0.03461234
## 410      410 0.02940975
## 416      416 0.03995102
## 420      420 0.03165038
## 422      422 0.01799890
## 423      423 0.03604446
## 426      426 0.02401293
## 428      428 0.05070704
## 430      430 0.04110894
## 432      432 0.03135125
## 435      435 0.04815322
## 437      437 0.05079008
## 441      441 0.07116146
## 442      442 0.02292370
## 455      455 0.04009533
## 456      456 0.03427106
## 460      460 0.04675789
## 467      467 0.03245231
## 473      473 0.02689943
## 478      478 0.05760701
## 481      481 0.04091689
## 483      483 0.02137188
```

```
## 485      485 0.02407017
## 487      487 0.03584866
## 492      492 0.03457595
## 494      494 0.02522492
## 496      496 0.02071720
## 497      497 0.02295007
## 498      498 0.03268840
## 506      506 0.03687445
## 509      509 0.04497351
## 510      510 0.02710587
## 511      511 0.03991100
## 517      517 0.04016546
## 519      519 0.03229339
## 520      520 0.03164517
## 529      529 0.04500355
## 530      530 0.02982289
## 535      535 0.02720002
## 537      537 0.02417847
## 543      543 0.04103175
## 544      544 0.04187573
## 546      546 0.03010051
## 547      547 0.02885139
## 554      554 0.03006986
## 555      555 0.03329821
## 560      560 0.01569151
## 570      570 0.03553659
## 574      574 0.03132163
## 575      575 0.04583778
## 579      579 0.03938638
## 581      581 0.02699702
## 582      582 0.04143649
## 584      584 0.03259778
## 588      588 0.02706144
## 589      589 0.01970064
## 596      596 0.02874289
## 601      601 0.02694614
## 605      605 0.02956622
## 607      607 0.04028509
## 611      611 0.03285609
## 612      612 0.02423345
## 620      620 0.03624375
## 627      627 0.01610563
## 629      629 0.03940641
## 633      633 0.04201348
## 634      634 0.03810840
## 637      637 0.03858905
## 647      647 0.02298530
## 653      653 0.02610506
## 656      656 0.02679218
## 658      658 0.05532548
## 660      660 0.02520809
## 663      663 0.05005461
## 664      664 0.02604621
## 670      670 0.04757286
```

```
## 684      684 0.02695378
## 693      693 0.02545493
## 699      699 0.03796736
## 700      700 0.04410676
## 701      701 0.03824534
## 706      706 0.02603967
## 708      708 0.03019450
## 709      709 0.05491829
## 710      710 0.04293956
## 712      712 0.03321510
## 715      715 0.03110798
## 727      727 0.02138587
## 730      730 0.04374213
## 739      739 0.03879483
## 741      741 0.02598245
## 743      743 0.02874338
## 744      744 0.04489245
## 745      745 0.01704466
## 747      747 0.04576252
## 748      748 0.02511300
## 749      749 0.02988056
## 752      752 0.03544890
## 757      757 0.02219107
## 759      759 0.02205255
## 765      765 0.03627075
## 770      770 0.02196319
## 771      771 0.02908158
## 772      772 0.03868797
## 774      774 0.02300835
## 775      775 0.04268670
## 779      779 0.02899044
## 785      785 0.04490160
## 786      786 0.02434745
## 788      788 0.02967238
## 800      800 0.02632847
## 813      813 0.03259186
## 814      814 0.03633709
## 818      818 0.01929353
## 819      819 0.04153330
## 830      830 0.01987069
## 831      831 0.03245065
## 833      833 0.02414970
## 834      834 0.03222013
## 841      841 0.02854935
## 843      843 0.03542416
## 844      844 0.04431333
## 849      849 0.02284737
## 853      853 0.05865236
## 854      854 0.02411149
## 855      855 0.02268421
## 867      867 0.01962170
## 869      869 0.01562082
## 877      877 0.03985123
## 879      879 0.03186353
```

```
## 880      880 0.02997254
## 886      886 0.01670085
## 890      890 0.01601347
## 898      898 0.02756617
## 908      908 0.02825831
## 910      910 0.03681653
## 924      924 0.06935347
## 927      927 0.03869975
## 931      931 0.03603741
## 934      934 0.03240660
## 939      939 0.03398597
## 940      940 0.03634529
## 941      941 0.01553153
## 944      944 0.04986478
## 950      950 0.02170119
## 956      956 0.02802322
## 958      958 0.02987834
## 962      962 0.03377221
## 963      963 0.02857375
## 967      967 0.03465294
## 980      980 0.04137808
## 982      982 0.01838205
## 1000    1000 0.05957506
## 1005    1005 0.05319887
## 1008    1008 0.02378820
## 1019    1019 0.02975879
## 1020    1020 0.03337043
## 1024    1024 0.04081647
## 1031    1031 0.03412099
## 1036    1036 0.03562543
## 1037    1037 0.02442674
## 1038    1038 0.03476951
## 1046    1046 0.03641182
## 1062    1062 0.04834631
## 1066    1066 0.03570838
## 1068    1068 0.02381444
## 1074    1074 0.02668739
## 1085    1085 0.01442621
## 1093    1093 0.01806235
## 1098    1098 0.02698336
## 1104    1104 0.02267098
## 1106    1106 0.04700219
## 1112    1112 0.01789515
## 1113    1113 0.01797555
## 1115    1115 0.02277914
## 1125    1125 0.03928734
## 1126    1126 0.04240521
## 1130    1130 0.02463784
## 1132    1132 0.02745587
## 1137    1137 0.02514674
## 1140    1140 0.02278890
## 1145    1145 0.03377811
## 1152    1152 0.08846877
## 1160    1160 0.05319688
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## 1162   1162 0.03688305
## 1164   1164 0.01731851
## 1169   1169 0.03842659
## 1170   1170 0.03920558
## 1171   1171 0.03760905
## 1172   1172 0.02646468
## 1174   1174 0.01853978
## 1202   1202 0.03213924
## 1235   1235 0.03534334
## 1236   1236 0.02729848
## 1241   1241 0.02793543
## 1242   1242 0.02572328
## 1250   1250 0.04480023
## 1272   1272 0.02401237
## 1276   1276 0.03744187
## 1289   1289 0.03495453
## 1300   1300 0.04581707
## 1301   1301 0.03240869
## 1320   1320 0.04357450
## 1327   1327 0.02076164
## 1330   1330 0.02019666
## 1337   1337 0.04212389
## 1343   1343 0.02392651
## 1344   1344 0.04185000
## 1350   1350 0.02518055
## 1353   1353 0.02601366
## 1354   1354 0.02532175
## 1370   1370 0.03196988
## 1377   1377 0.04305295
## 1382   1382 0.03834165
## 1391   1391 0.07756645
## 1392   1392 0.03439905
## 1396   1396 0.02136358
## 1400   1400 0.04387962
## 1405   1405 0.03954773
## 1432   1432 0.04825773
## 1438   1438 0.05242514
## 1439   1439 0.03376196
## 1440   1440 0.03201262
## 1443   1443 0.02051854
## 1453   1453 0.02395130
## 1458   1458 0.05145110
## 1461   1461 0.04306444
## 1464   1464 0.03700208
## 1467   1467 0.03849319
## 1473   1473 0.02965969
## 1474   1474 0.02158775
## 1477   1477 0.02721983
## 1481   1481 0.02174122
## 1482   1482 0.01967696
## 1486   1486 0.04350783
## 1500   1500 0.03422120
## 1503   1503 0.02354956
## 1509   1509 0.03670761
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## 1511   1511 0.01839833
## 1513   1513 0.03004569
## 1520   1520 0.02815802
## 1521   1521 0.02557614
## 1527   1527 0.05036454
## 1532   1532 0.02959406
## 1545   1545 0.02890601
## 1547   1547 0.08096715
## 1553   1553 0.03033590
## 1554   1554 0.02087846
## 1558   1558 0.04565959
## 1560   1560 0.06376618
## 1566   1566 0.04826962
## 1571   1571 0.05662718
## 1572   1572 0.05960776
## 1575   1575 0.02834144
## 1576   1576 0.05975523
## 1588   1588 0.08620262
## 1597   1597 0.04608061
## 1598   1598 0.04083062
## 1604   1604 0.06560188
## 1607   1607 0.03832015
## 1608   1608 0.03030603
## 1635   1635 0.03052026
## 1637   1637 0.03789165
## 1639   1639 0.02671106
## 1645   1645 0.03087220
## 1677   1677 0.03926469
## 1678   1678 0.02389740
## 1680   1680 0.05307647
## 1693   1693 0.03323419
## 1697   1697 0.02090057
## 1706   1706 0.03344752
## 1707   1707 0.04510585
## 1720   1720 0.03577004
## 1726   1726 0.02016997
## 1731   1731 0.02340369
## 1739   1739 0.04061519
## 1754   1754 0.02152495
## 1766   1766 0.04056065
## 1768   1768 0.01992444
## 1770   1770 0.02514948
## 1779   1779 0.04764275
## 1784   1784 0.03457396
## 1805   1805 0.02290568
## 1807   1807 0.03423632
## 1835   1835 0.02113388
## 1838   1838 0.02443145
## 1845   1845 0.03564357
## 1852   1852 0.02954283
## 1853   1853 0.04302719
## 1864   1864 0.03352191
## 1865   1865 0.02036267
## 1876   1876 0.03344774
```

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## 1877   1877 0.01590552
## 1883   1883 0.03171629
## 1885   1885 0.02378308
## 1887   1887 0.02031546
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## 1893   1893 0.04275862
## 1899   1899 0.02501608
## 1903   1903 0.02742717
## 1914   1914 0.03725713
## 1916   1916 0.03722100
## 1925   1925 0.04131133
## 1927   1927 0.03255934
## 1932   1932 0.02442639
## 1936   1936 0.06249060
## 1938   1938 0.03088737
## 1954   1954 0.03427313
## 1964   1964 0.03680474
## 1970   1970 0.03890619
## 1992   1992 0.03292622
## 1997   1997 0.02492090
## 1998   1998 0.02745946
## 2001   2001 0.04335731
## 2021   2021 0.04120426
## 2035   2035 0.03665680
## 2081   2081 0.04537318
## 2082   2082 0.02702509
## 2090   2090 0.04435777
## 2092   2092 0.02809440
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## 2162   2162 0.03103137
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## 2169   2169 0.03166529
## 2175   2175 0.05306454
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## 2183   2183 0.02880512
## 2204   2204 0.03718037
## 2205   2205 0.05812322
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## 2234   2234 0.04903883
## 2235   2235 0.02345699
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## 2248   2248 0.03323520
## 2256   2256 0.04594813
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## 2270   2270 0.02871477
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## 2287   2287 0.03091224
## 2302   2302 0.02712193
```

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## 2305    2305 0.05229086
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## 2385    2385 0.02646132
## 2391    2391 0.02642595
## 2393    2393 0.03326656
## 2399    2399 0.02309748
## 2403    2403 0.05311206
## 2410    2410 0.04615646
## 2413    2413 0.03798088
## 2420    2420 0.03730456
## 2424    2424 0.02874139
## 2425    2425 0.04970076
## 2428    2428 0.03441816
## 2451    2451 0.02853433
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## 2467    2467 0.02863293
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## 2498    2498 0.04399298
## 2499    2499 0.03705977
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## 2550    2550 0.03310754
## 2552    2552 0.02864669
## 2565    2565 0.03814687
## 2574    2574 0.05197755
## 2577    2577 0.10483888
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## 2630    2630 0.06173145
## 2633    2633 0.06294310
## 2638    2638 0.04035176
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## 2676    2676 0.02400101
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## 2707    2707 0.03919125
## 2709    2709 0.03400638
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## 2735    2735 0.02344078
## 2738    2738 0.02474852
## 2742    2742 0.04998969
## 2743    2743 0.05200556
## 2745    2745 0.02554202
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## 2750   2750 0.02556282
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## 2752   2752 0.02853141
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## 2790   2790 0.02617539
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## 2826   2826 0.02235650
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## 2835   2835 0.02511397
## 2845   2845 0.03001623
## 2869   2869 0.04085600
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## 2873   2873 0.03441580
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## 2917   2917 0.02898557
## 2918   2918 0.02826872
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## 2986   2986 0.02534520
## 3005   3005 0.05532359
## 3008   3008 0.03888310
## 3024   3024 0.03340591
## 3027   3027 0.03812434
## 3041   3041 0.03759096
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## 3051   3051 0.04306437
## 3069   3069 0.02743448
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## 3118   3118 0.06947697
## 3123   3123 0.03311888
## 3139   3139 0.03730048
```

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## 3160   3160 0.02783478
## 3172   3172 0.05888613
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## 3265   3265 0.03409875
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## 3367   3367 0.05486605
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## 3388   3388 0.04468891
## 3389   3389 0.03061137
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## 3401   3401 0.03382355
## 3425   3425 0.03960351
## 3431   3431 0.02439556
## 3439   3439 0.02365184
## 3443   3443 0.01906127
## 3445   3445 0.03738157
## 3455   3455 0.04263725
## 3456   3456 0.02814678
## 3466   3466 0.01905224
## 3474   3474 0.02181167
## 3490   3490 0.06855814
## 3507   3507 0.03316116
## 3510   3510 0.03374895
## 3511   3511 0.03665608
## 3520   3520 0.02735798
## 3544   3544 0.04592096
## 3546   3546 0.02944617
## 3577   3577 0.04236483
## 3584   3584 0.03206772
## 3597   3597 0.04365479
## 3609   3609 0.03151895
## 3638   3638 0.02538821
## 3655   3655 0.04176694
## 3657   3657 0.02554231
## 3667   3667 0.03865523
## 3670   3670 0.04836452
## 3675   3675 0.04664120
## 3676   3676 0.03061399
## 3695   3695 0.04059822
## 3697   3697 0.01572024
## 3698   3698 0.03124842
## 3716   3716 0.02520454
## 3732   3732 0.03036907
## 3741   3741 0.02086189
## 3771   3771 0.08186149
## 3774   3774 0.03529478
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## 3777   3777 0.04208228
## 3787   3787 0.02108496
## 3859   3859 0.05451221
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## 3875   3875 0.03285603
## 3876   3876 0.02006000
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## 3906   3906 0.05560607
## 3954   3954 0.01942242
## 3963   3963 0.04339820
## 3964   3964 0.02966921
## 3965   3965 0.02531484
## 4005   4005 0.05082320
## 4020   4020 0.06929348
## 4033   4033 0.04101982
## 4035   4035 0.02393729
## 4046   4046 0.03864116
## 4060   4060 0.03800216
## 4097   4097 0.02755307
## 4140   4140 0.03767128
## 4146   4146 0.02839213
## 4166   4166 0.02996713
## 4169   4169 0.05550722
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## 4179   4179 0.03940427
## 4204   4204 0.04651191
## 4212   4212 0.04874020
## 4249   4249 0.03640876
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## 4282   4282 0.04427374
## 4284   4284 0.05097480
## 4288   4288 0.02523190
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## 4319   4319 0.04561367
## 4326   4326 0.03090011
## 4353   4353 0.03491663
## 4362   4362 0.03690671
## 4363   4363 0.03199266
## 4381   4381 0.03538639
## 4397   4397 0.05131300
## 4400   4400 0.01833012
## 4414   4414 0.02709546
## 4434   4434 0.03769988
## 4437   4437 0.03576430
## 4440   4440 0.04341867
## 4443   4443 0.01904902
## 4481   4481 0.03845306
## 4483   4483 0.04068292
## 4488   4488 0.05939506
## 4495   4495 0.04936242
```

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## 4514   4514 0.04629793
## 4522   4522 0.07019693
## 4557   4557 0.03275868
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## 4630   4630 0.02536812
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## 4635   4635 0.03044586
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## 4638   4638 0.07659342
## 4685   4685 0.05038530
## 4719   4719 0.07480475
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## 4738   4738 0.04620576
## 4756   4756 0.03967537
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## 4768   4768 0.04283673
## 4769   4769 0.04241570
## 4797   4797 0.04178520
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## 4807   4807 0.04541007
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## 4830   4830 0.02642568
## 4845   4845 0.04285822
## 4856   4856 0.02855090
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## 4921   4921 0.05937720
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## 5007   5007 0.02406536
## 5018   5018 0.02065180
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## 5101   5101 0.04232774
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## 5389   5389 0.04569666
## 5396   5396 0.02479738
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## 5404   5404 0.07743745
## 5476   5476 0.03557643
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## 5889   5889 0.03573214
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## 5916   5916 0.04748390
## 5976   5976 0.04236445
## 6010   6010 0.04625979
## 6057   6057 0.07763251
## 6084   6084 0.03484998
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## 6283   6283 0.04246412
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## 6484   6484 0.07410831
## 6492   6492 0.05458789
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## 6635   6635 0.03260519
## 6636   6636 0.06315836
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## 6737   6737 0.05081041
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## 6905   6905 0.03125047
## 6917   6917 0.04165731
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## 6925   6925 0.04157717
## 7017   7017 0.04013545
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## 7086   7086 0.04129210
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## 7144   7144 0.03312653
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## 7389   7389 0.03392867
## 7407   7407 0.04965249
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## 7536   7536 0.04408628
## 7548   7548 0.03745893
## 7576   7576 0.03243234
## 7577   7577 0.04921015
## 7678   7678 0.04858216
## 7706   7706 0.03339002
## 7708   7708 0.04261899
## 7729   7729 0.06838702
## 7730   7730 0.05873870
## 7732   7732 0.04283232
## 7747   7747 0.06039340
## 7795   7795 0.05522024
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## 7979   7979 0.03812992
## 8001   8001 0.04780021
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## 8400   8400 0.07609534
## 8427   8427 0.04635397
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## 8438   8438 0.09744107
## 8511   8511 0.04757814
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## 8605   8605 0.07599034
## 8607   8607 0.03374707
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## 8651   8651 0.08225465
## 8724   8724 0.04196308
## 8861   8861 0.03252344
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## 8917   8917 0.03403588
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## 9361   9361 0.03930497
## 9367   9367 0.04686301
## 9426   9426 0.05642096
## 9463   9463 0.04096866
## 9466   9466 0.02758794
## 9546   9546 0.02724321
## 9552   9552 0.02854907
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## 9730   9730 0.02958775
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## 11628 11628 0.02757383
## 11725 11725 0.04599214
## 11726 11726 0.04952338
## 11727 11727 0.03138803
## 11728 11728 0.03627096
## 11784 11784 0.02692199
## 11793 11793 0.02292362
## 11795 11795 0.02837317
## 11807 11807 0.03540943
## 11808 11808 0.03146001
## 11869 11869 0.06357584
## 11884 11884 0.04368759
## 12005 12005 0.05043119
## 12059 12059 0.03240363
## 12068 12068 0.03667913
## 12238 12238 0.07451078
## 12252 12252 0.03767491
## 12256 12256 0.04086867
## 12331 12331 0.03318463
## 12360 12360 0.02522865
## 12571 12571 0.03654715
## 12656 12656 0.03358256
## 12657 12657 0.06255661
## 12732 12732 0.05479037
## 12738 12738 0.06317413
## 12740 12740 0.03358553
## 12798 12798 0.06604190
## 13080 13080 0.12661325
## 13113 13113 0.10220368
## 13167 13167 0.04136513
## 13177 13177 0.04964089
## 13386 13386 0.02961203
## 13576 13576 0.05354408
## 13579 13579 0.06340461
## 13612 13612 0.03638003
## 13613 13613 0.05378306
## 13787 13787 0.05388658
## 13844 13844 0.06841061
## 13946 13946 0.04677532
## 13953 13953 0.03580266
## 14038 14038 0.04026211
## 14062 14062 0.05281920
## 14143 14143 0.05520555
## 14217 14217 0.07983707
## 14218 14218 0.03794967
## 14274 14274 0.02274839
## 14297 14297 0.05146324
## 14369 14369 0.02865953
```
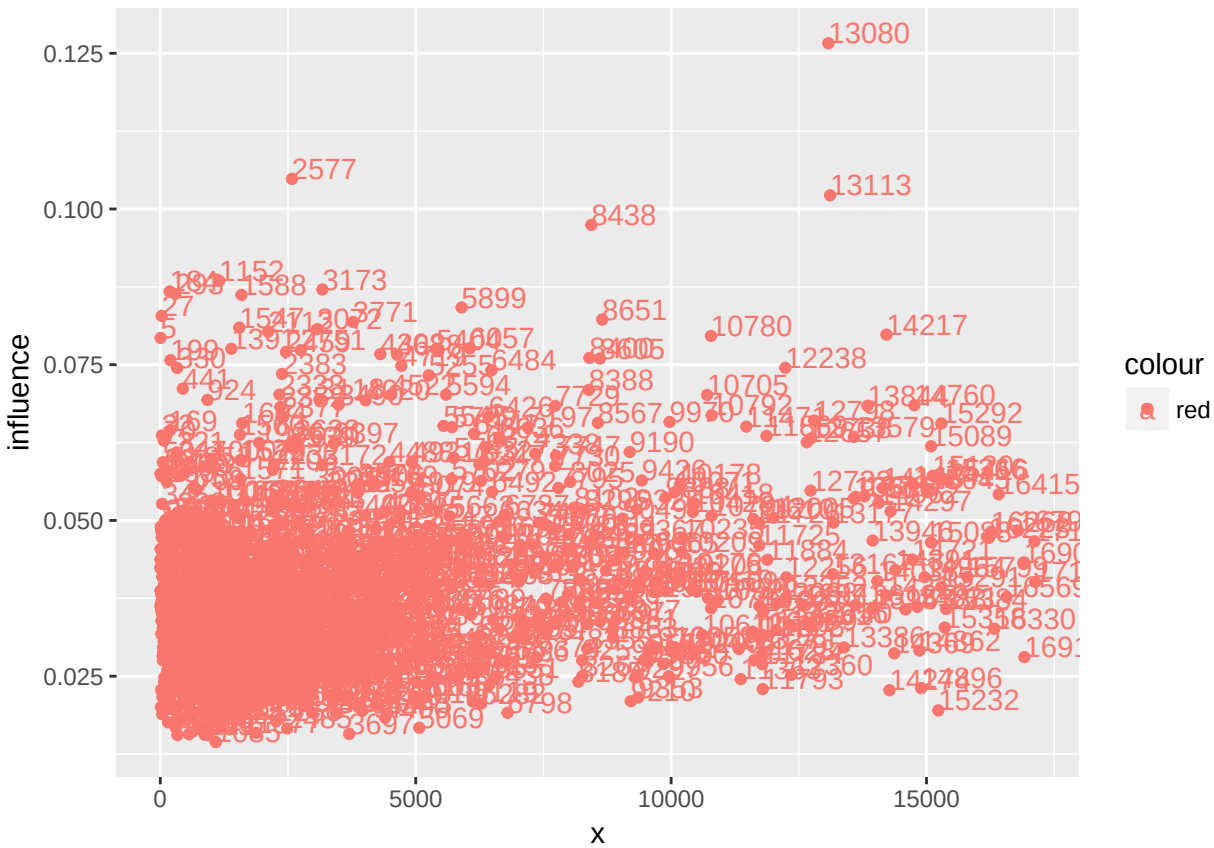

```
## 14391 14391 0.04204483
## 14588 14588 0.03572644
## 14721 14721 0.04370650
## 14741 14741 0.05559856
## 14760 14760 0.06848047
## 14821 14821 0.03612311
## 14862 14862 0.02911903
## 14896 14896 0.02307422
## 14964 14964 0.04089382
## 15045 15045 0.05503988
## 15088 15088 0.04648042
## 15089 15089 0.06191497
## 15120 15120 0.05716541
## 15232 15232 0.01951267
## 15291 15291 0.03933262
## 15292 15292 0.06557714
## 15358 15358 0.03281660
## 15366 15366 0.05658022
## 15384 15384 0.03579128
## 15416 15416 0.05650969
## 15799 15799 0.04093722
## 16223 16223 0.04719989
## 16268 16268 0.04820872
## 16330 16330 0.03261857
## 16415 16415 0.05419087
## 16569 16569 0.03769431
## 16792 16792 0.04837493
## 16903 16903 0.04320214
## 16917 16917 0.02806400
## 17114 17114 0.04663753
## 17130 17130 0.04012647
```

```
ggplot(influ, aes(x = x, y= influence, colour="red"))+ geom_point()+ geom_text(aes(label=x),hjust=0, vju
```




```
remove2 <- influ[order(influ[,2], decreasing = T)[1:2], 1]
remove2
```

```
## [1] 13080  2577
```

```
X_refit <- soccer[-unique(c(remove1, remove2)), ]

refit <- lm(formula,  data = X_refit)
summary(refit)
```

```
##
## Call:
## lm(formula = formula, data = X_refit)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -8.8500 -1.7297  0.0207  1.7321 10.6755
##
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)         1.144e+02  1.064e+02   1.075 0.282671
## Contract_Expiry    -5.489e-02  5.246e-02  -1.046 0.295666
## Height              3.505e-02  2.487e-02   1.410 0.158957
## Weight              1.484e-02  1.999e-02   0.743 0.457950
## Age                -2.939e-02  2.573e-02  -1.142 0.253582
## Weak_foot           1.124e-01  1.175e-01   0.956 0.339109
## Skill_Moves         8.717e-01  1.812e-01   4.812 1.72e-06 ***
## Ball_Control        1.555e-01  2.066e-02   7.524 1.15e-13 ***
```

```
## Dribbling           1.841e-02  1.756e-02   1.048 0.294798
## Marking            -2.763e-02  1.578e-02  -1.751 0.080283 .
## Sliding_Tackle      2.691e-02  1.747e-02   1.541 0.123642
## Standing_Tackle     4.367e-02  1.834e-02   2.381 0.017432 *
## Aggression         -8.024e-04  8.852e-03  -0.091 0.927793
## Reactions           3.956e-01  1.642e-02  24.090  < 2e-16 ***
## Attacking_Position -5.416e-02  1.304e-02  -4.153 3.55e-05 ***
## Interceptions      -2.469e-02  1.289e-02  -1.915 0.055761 .
## Vision             -2.129e-02  1.140e-02  -1.868 0.062112 .
## Composure           7.897e-02  1.074e-02   7.355 3.88e-13 ***
## Crossing           -5.519e-03  1.122e-02  -0.492 0.622917
## Short_Pass          6.638e-02  1.991e-02   3.334 0.000888 ***
## Long_Pass           1.503e-02  1.468e-02   1.024 0.306193
## Acceleration        2.851e-02  1.818e-02   1.568 0.117126
## Speed               2.426e-02  1.703e-02   1.424 0.154672
## Stamina            -1.260e-02  1.147e-02  -1.098 0.272512
## Strength            3.346e-02  1.175e-02   2.847 0.004501 **
## Balance            -3.421e-03  1.267e-02  -0.270 0.787224
## Agility             3.438e-03  1.289e-02   0.267 0.789764
## Jumping             1.186e-02  9.076e-03   1.306 0.191781
## Heading             7.448e-02  1.095e-02   6.803 1.73e-11 ***
## Shot_Power          1.218e-02  1.219e-02   0.999 0.317898
## Finishing          -3.958e-03  1.357e-02  -0.292 0.770668
## Long_Shots         -1.966e-02  1.337e-02  -1.471 0.141650
## Curve              -6.818e-03  1.165e-02  -0.585 0.558605
## Freekick_Accuracy   2.469e-02  9.309e-03   2.652 0.008119 **
## Penalties          -1.007e-02  9.987e-03  -1.008 0.313697
## Volleys             8.041e-03  1.135e-02   0.708 0.478997
## GK_Positioning      4.095e-02  2.375e-02   1.724 0.084998 .
## GK_Diving           2.898e-02  2.407e-02   1.204 0.228786
## GK_Kicking          5.316e-02  2.169e-02   2.450 0.014431 *
## GK_Handling         1.034e-01  2.351e-02   4.400 1.19e-05 ***
## GK_Reflexes         6.401e-02  2.378e-02   2.692 0.007218 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 2.59 on 1030 degrees of freedom
##   (16513 observations deleted due to missingness)
## Multiple R-squared:  0.8662, Adjusted R-squared:  0.861
## F-statistic: 166.7 on 40 and 1030 DF,  p-value: < 2.2e-16
```

lasso

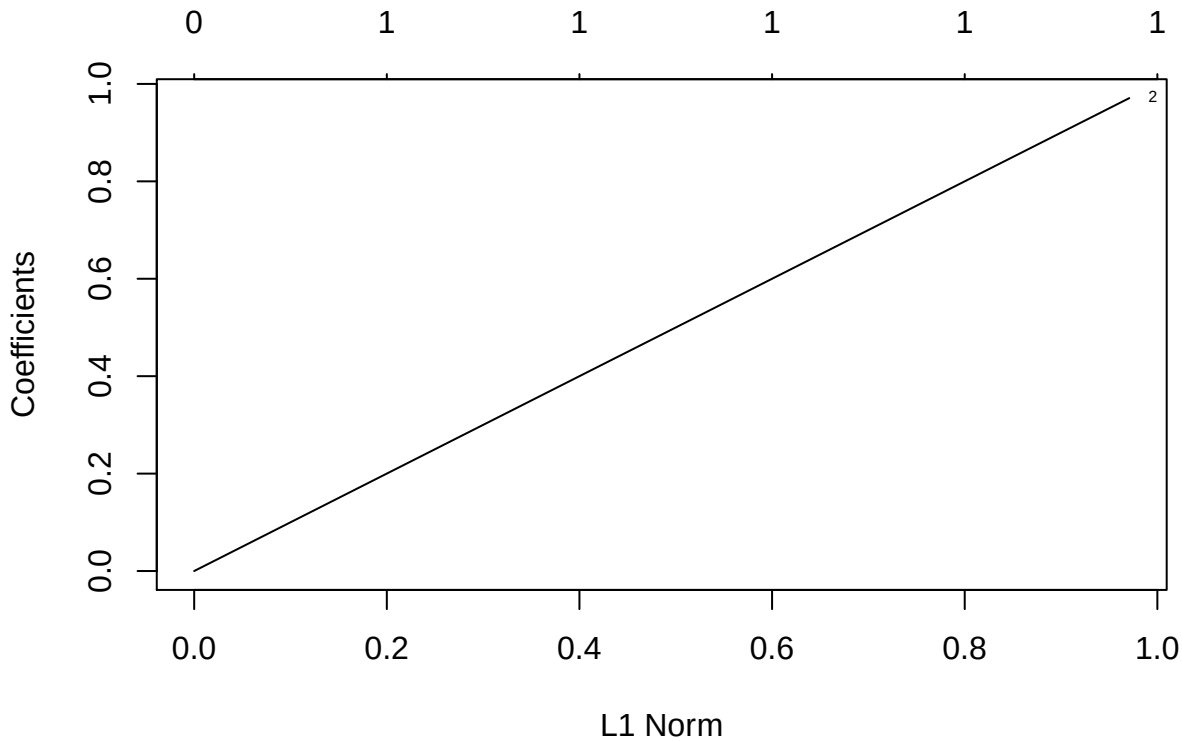
```r
lasso <- glmnet(as.matrix(soccer[-384,-c(1:8,13,14,16,17)]),
                as.matrix(soccer[-384,10]), alpha = 1)

lassocv <- cv.glmnet(as.matrix(soccer[-384,-c(1:8,13,14,16,17)]), as.matrix(soccer[-384,10]), alpha = 1

summary(lasso)
```

```
##           Length Class     Mode
## a0          39   -none-    numeric
## beta      1599   dgCMatrix S4
```

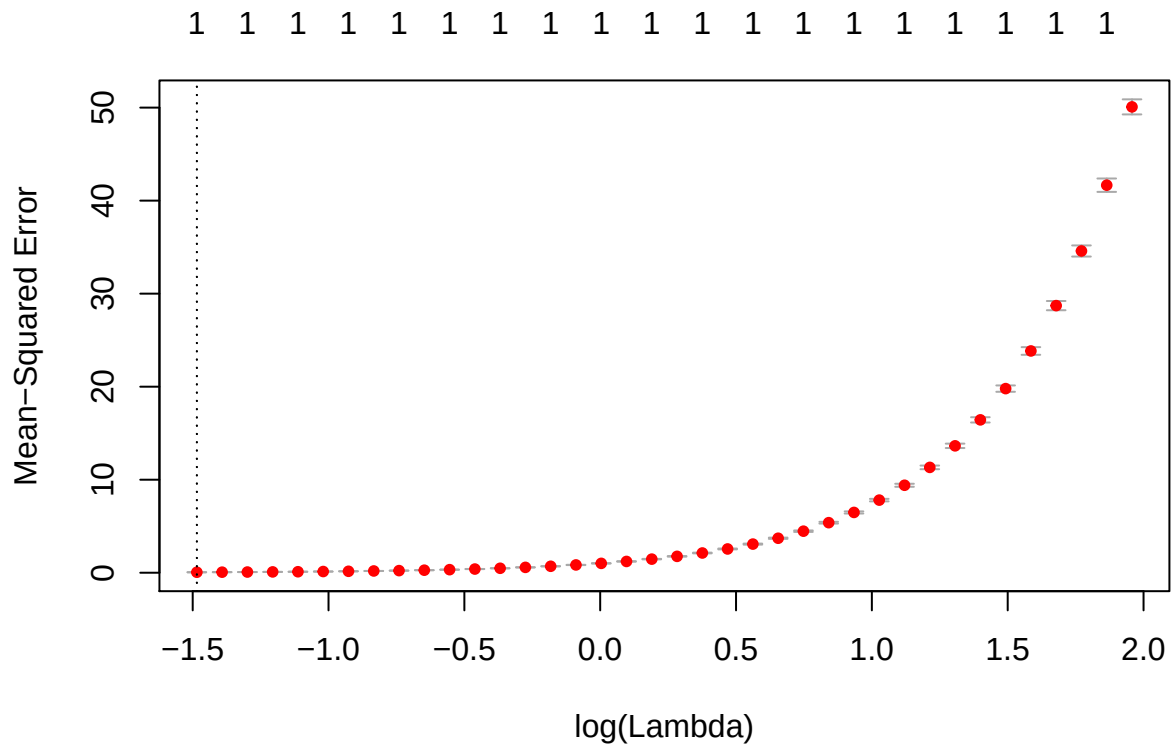
```
## df          39   -none-    numeric
## dim          2   -none-    numeric
## lambda      39   -none-    numeric
## dev.ratio   39   -none-    numeric
## nulldev      1   -none-    numeric
## npasses      1   -none-    numeric
## jerr         1   -none-    numeric
## offset       1   -none-    logical
## call         4   -none-    call
## nobs         1   -none-    numeric
```

```r
plot(lasso, label = T)
```

```
## Warning in plotCoef(x$beta, lambda = x$lambda, df = x$df, dev = x
## $dev.ratio, : 1 or less nonzero coefficients; glmnet plot is not meaningful
```

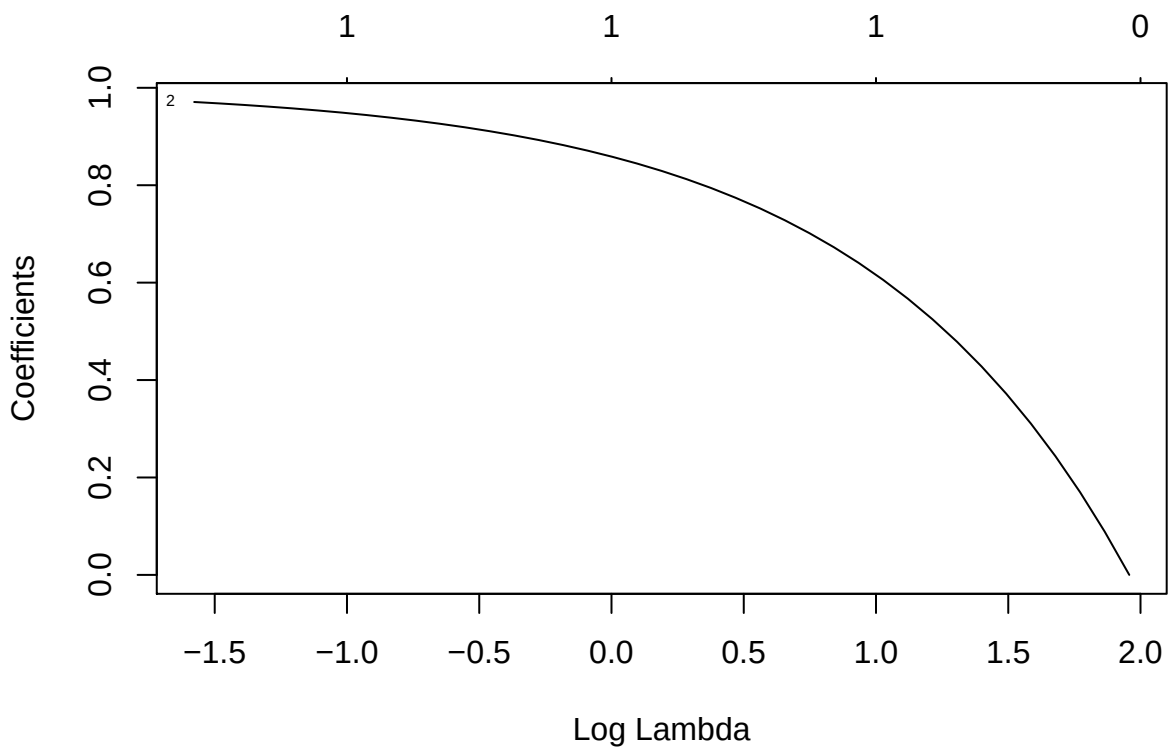



```r
plot(lassocv)
```



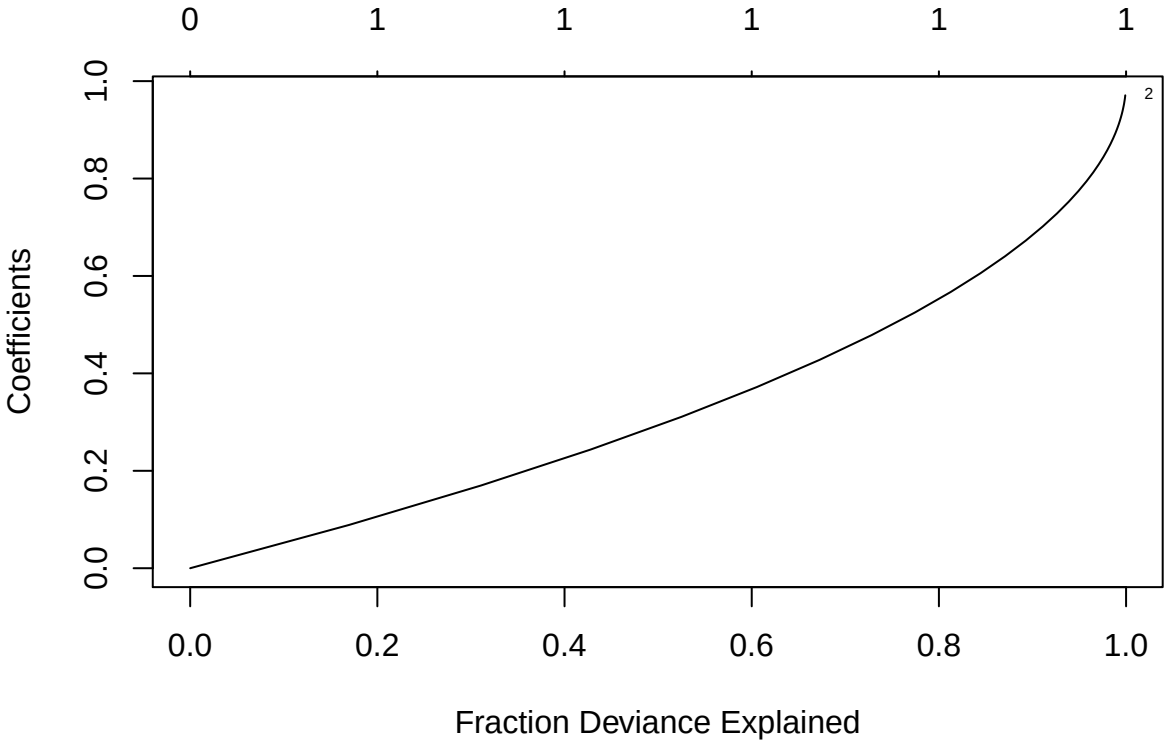

```r
plot(lasso, xvar = "lambda", label = T)
```

```
## Warning in plotCoef(x$beta, lambda = x$lambda, df = x$df, dev = x
## $dev.ratio, : 1 or less nonzero coefficients; glmnet plot is not meaningful
```



```r
plot(lasso, xvar = "dev", label = T)
```

```
## Warning in plotCoef(x$beta, lambda = x$lambda, df = x$df, dev = x
## $dev.ratio, : 1 or less nonzero coefficients; glmnet plot is not meaningful
```




```r
coef <- coef(lassocv, s = "lambda.min")
cat("The coefficient that we get from lasso regression is :\n")
```

```
## The coefficient that we get from lasso regression is :
```

```r
print(as.numeric(coef))
```

```
##  [1] 2.1168063 0.0000000 0.9680073 0.0000000 0.0000000 0.0000000 0.0000000
##  [8] 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
## [15] 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
## [22] 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
## [29] 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
## [36] 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
```

Compare model

```r
q = dim(soccer)[2] - length(c(1:8,13,14,16,17)) - 8  # number of constraints
n = nrow(soccer)
p = dim(soccer)[2] - length(c(1:8,13,14,16,17)) # number of predictors



RSS_M <- sum((soccer$Rating - lmfit$fitted.values)^2)
```

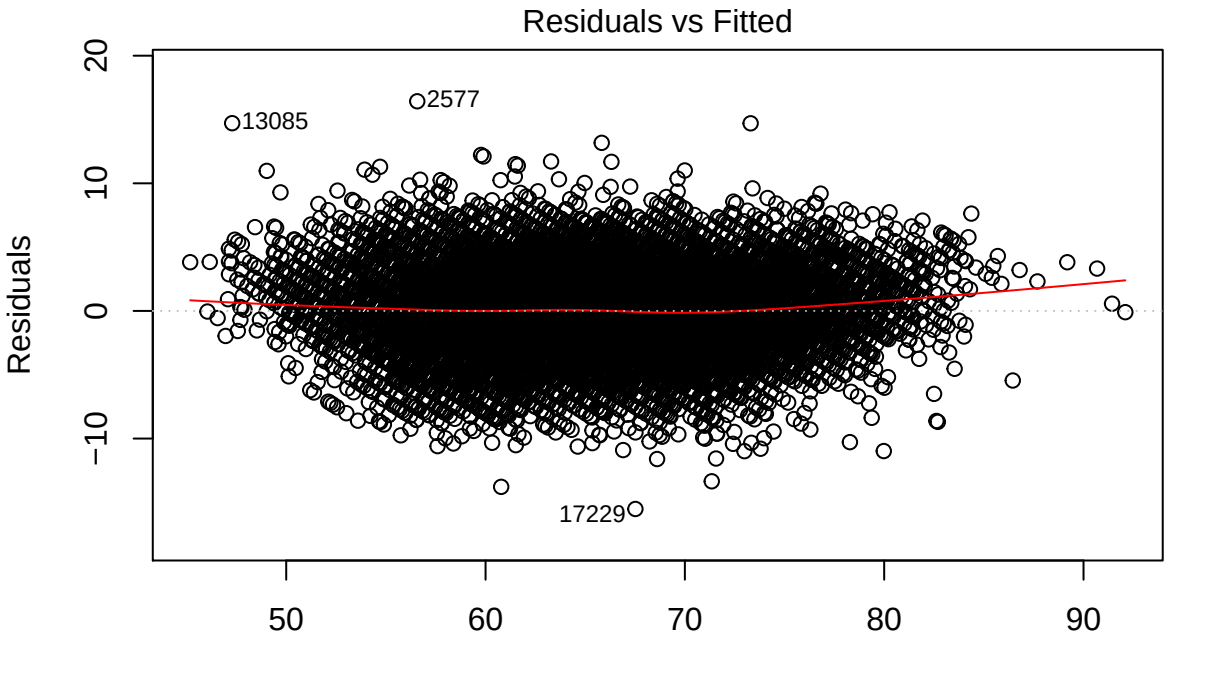
```
## Warning in soccer$Rating - lmfit$fitted.values: longer object length is not
```

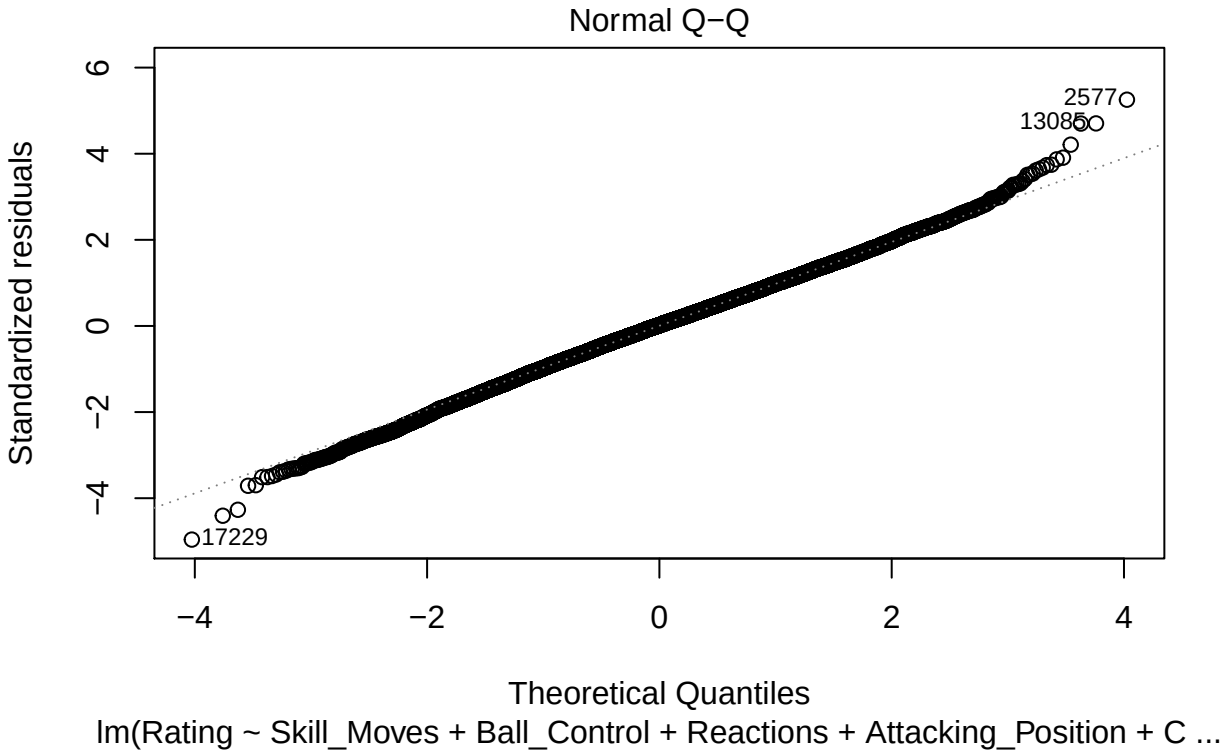
```
## a multiple of shorter object length
```

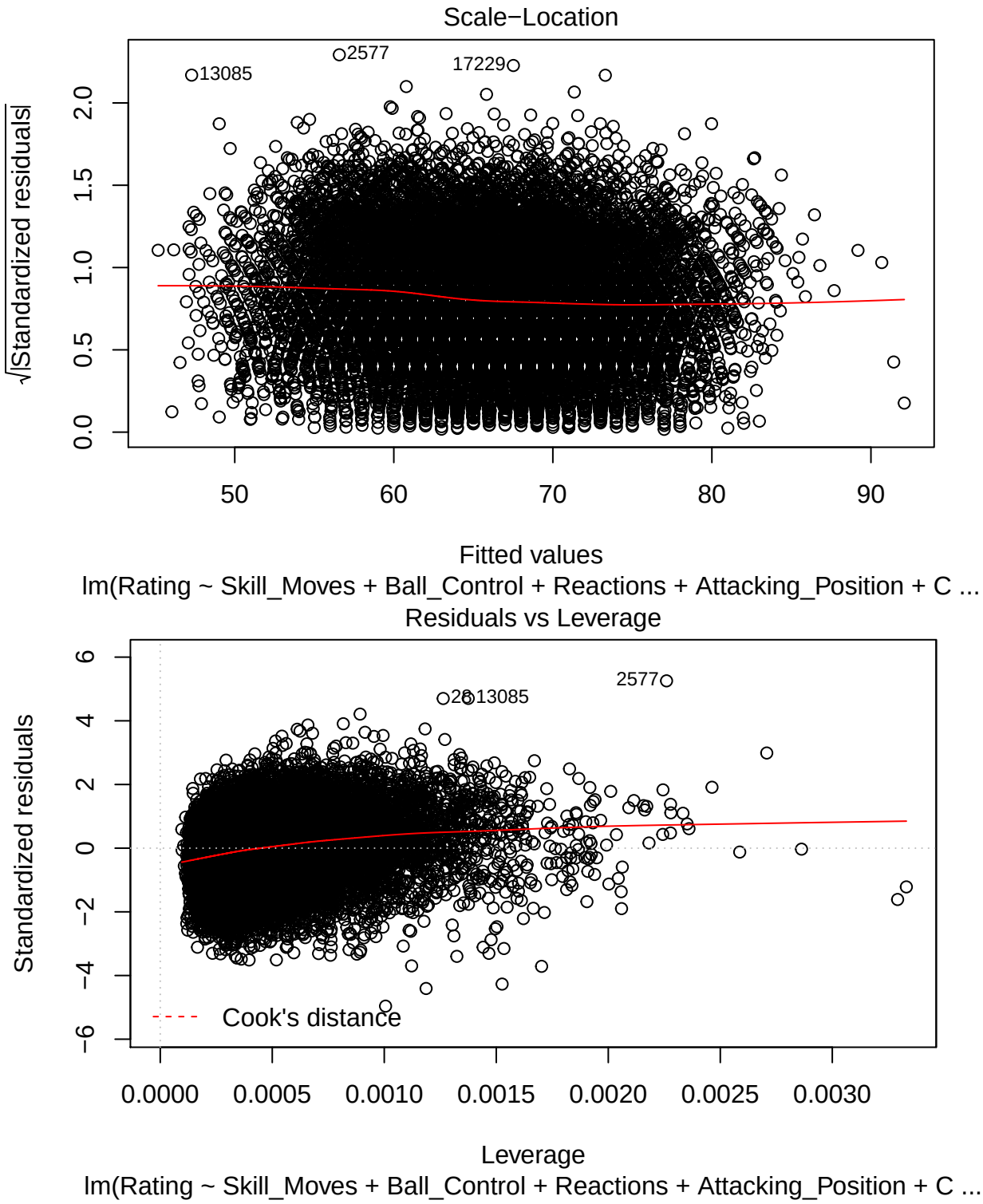
```r
fit1 <- lm(Rating ~ Skill_Moves + Ball_Control + Reactions + Attacking_Position + Composure + Short_Pass

summary(fit1)
```

```
##
## Call:
## lm(formula = Rating ~ Skill_Moves + Ball_Control + Reactions +
##     Attacking_Position + Composure + Short_Pass + Heading + GK_Handling,
##     data = soccer)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -15.5182  -2.0370   0.0571   2.0690  16.4261
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## (Intercept)        15.075079   0.211542   71.26   <2e-16 ***
## Skill_Moves         0.690857   0.049748   13.89   <2e-16 ***
## Ball_Control        0.180794   0.004760   37.98   <2e-16 ***
## Reactions           0.363997   0.003818   95.33   <2e-16 ***
## Attacking_Position -0.055912   0.002464  -22.69   <2e-16 ***
## Composure           0.063303   0.002837   22.32   <2e-16 ***
## Short_Pass          0.077611   0.003893   19.94   <2e-16 ***
## Heading             0.125185   0.002344   53.41   <2e-16 ***
## GK_Handling         0.283945   0.003277   86.64   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 3.129 on 17579 degrees of freedom
## Multiple R-squared:  0.8049, Adjusted R-squared:  0.8048
## F-statistic:  9064 on 8 and 17579 DF,  p-value: < 2.2e-16
```

```r
plot(fit1)
```


Residuals vs Fitted
Residuals
Fitted values
lm(Rating ~ Skill_Moves + Ball_Control + Reactions + Attacking_Position + C ...
13085
2577
17229
20
10
0
−10
50
60
70
80
90


Normal Q−Q
Standardized residuals
Theoretical Quantiles
lm(Rating ~ Skill_Moves + Ball_Control + Reactions + Attacking_Position + C ...
2577
13085
17229
6
4
2
0
−2
−4
−4
−2
0
2
4




```
RSS_m <- sum((soccer$Rating - fit1$fitted.values)^2)
Fstat <- ( (RSS_m - RSS_M) / q ) / (RSS_M / (n-p-1))
cat("F statistics is ", Fstat, "\n")
```

```
## F statistics is  -498.6338
```

```r
pval <- pf(Fstat, q, n-p-1, lower.tail = F)
cat("P value is ", pval, "\n")
```

```
## P value is  1
```

lm by club poistion

```r
soccer_positioncleaned$Height <- as.character(soccer_positioncleaned$Height)
soccer_positioncleaned$Height <- as.numeric(substr(soccer_positioncleaned$Height, 1,3))

soccer_positioncleaned$Weight <- as.character(soccer_positioncleaned$Weight)
soccer_positioncleaned$Weight <- as.numeric(substr(soccer_positioncleaned$Weight, 1,2))


mid <- soccer_positioncleaned[soccer_positioncleaned$Club_Position == "Midfielder", ]

goal <- soccer_positioncleaned[soccer_positioncleaned$Club_Position == "Goalkeeper", ]

attack <- soccer_positioncleaned[soccer_positioncleaned$Club_Position == "Attacker", ]

defense <- soccer_positioncleaned[soccer_positioncleaned$Club_Position == "Defense", ]



midfit <- lm(Rating~ . ,  data = mid[,-c(1:8,13,14,16,17)])
goalfit <- lm(Rating~ . ,  data = goal[,-c(1:8,13,14,16,17)])
attackfit <- lm(Rating~ . ,  data = attack[,-c(1:8,13,14,16,17)])
defensefit <- lm(Rating~ . ,  data = defense[,-c(1:8,13,14,16,17)])



summary(midfit)
```

```
##
## Call:
## lm(formula = Rating ~ ., data = mid[, -c(1:8, 13, 14, 16, 17)])
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -6.1045 -1.2298 -0.0474  1.1767 12.3326
##
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)        -2.013e+02  6.756e+01  -2.980 0.002932 **
## Contract_Expiry     1.023e-01  3.326e-02   3.075 0.002147 **
## Height             -7.848e-03  1.647e-02  -0.476 0.633887
## Weight              1.793e-02  1.416e-02   1.266 0.205607
## Age                 4.431e-02  1.651e-02   2.684 0.007362 **
## Weak_foot          -8.437e-02  8.264e-02  -1.021 0.307461
## Skill_Moves         1.860e-01  1.079e-01   1.725 0.084842 .
## Ball_Control        2.179e-01  1.782e-02  12.226  < 2e-16 ***
## Dribbling           6.099e-02  1.421e-02   4.294 1.89e-05 ***
```

```
## Marking            -8.766e-04  8.684e-03  -0.101 0.919606
## Sliding_Tackle     -2.637e-03  1.003e-02  -0.263 0.792682
## Standing_Tackle     6.521e-03  1.059e-02   0.616 0.538109
## Aggression          1.392e-02  5.389e-03   2.583 0.009890 **
## Reactions           1.887e-01  1.128e-02  16.734  < 2e-16 ***
## Attacking_Position -1.070e-02  9.514e-03  -1.125 0.260939
## Interceptions      -1.352e-03  7.048e-03  -0.192 0.847888
## Vision              1.974e-02  1.056e-02   1.869 0.061853 .
## Composure           1.378e-02  7.761e-03   1.776 0.075966 .
## Crossing            3.976e-02  7.986e-03   4.978 7.24e-07 ***
## Short_Pass          2.576e-01  1.753e-02  14.698  < 2e-16 ***
## Long_Pass          -5.485e-03  1.230e-02  -0.446 0.655745
## Acceleration        4.423e-02  1.156e-02   3.825 0.000137 ***
## Speed               2.874e-02  1.051e-02   2.735 0.006311 **
## Stamina             4.368e-02  6.812e-03   6.411 1.99e-10 ***
## Strength            6.273e-03  7.760e-03   0.808 0.419009
## Balance            -1.068e-02  9.374e-03  -1.139 0.254723
## Agility            -2.612e-02  9.224e-03  -2.832 0.004698 **
## Jumping             1.693e-02  5.311e-03   3.187 0.001469 **
## Heading             2.485e-02  6.217e-03   3.997 6.77e-05 ***
## Shot_Power          6.747e-03  9.647e-03   0.699 0.484412
## Finishing           1.669e-02  8.367e-03   1.994 0.046304 *
## Long_Shots          6.451e-03  9.116e-03   0.708 0.479329
## Curve              -4.240e-04  7.196e-03  -0.059 0.953021
## Freekick_Accuracy  -2.109e-02  6.294e-03  -3.352 0.000826 ***
## Penalties           1.469e-02  6.866e-03   2.140 0.032543 *
## Volleys            -1.939e-02  6.606e-03  -2.935 0.003396 **
## GK_Positioning     -3.304e-02  1.647e-02  -2.006 0.045018 *
## GK_Diving           1.076e-02  1.632e-02   0.659 0.509872
## GK_Kicking          2.167e-02  1.605e-02   1.350 0.177240
## GK_Handling        -6.242e-03  1.647e-02  -0.379 0.704658
## GK_Reflexes         2.061e-02  1.642e-02   1.255 0.209731
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.878 on 1338 degrees of freedom
## Multiple R-squared:  0.8921, Adjusted R-squared:  0.8889
## F-statistic: 276.6 on 40 and 1338 DF,  p-value: < 2.2e-16
```

```r
summary(goalfit)
```

```
##
## Call:
## lm(formula = Rating ~ ., data = goal[, -c(1:8, 13, 14, 16, 17)])
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.88050 -0.26246 -0.04162  0.24796  1.75055
##
## Coefficients: (1 not defined because of singularities)
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)         1.341e+01  2.913e+01   0.460  0.64557
## Contract_Expiry    -6.702e-03  1.437e-02  -0.466  0.64122
## Height             -1.958e-04  6.588e-03  -0.030  0.97630
## Weight              3.248e-03  2.771e-03   1.172  0.24198
```

```
## Age                -4.437e-03  5.965e-03  -0.744  0.45746
## Weak_foot          -8.626e-03  3.479e-02  -0.248  0.80435
## Skill_Moves                NA         NA      NA       NA
## Ball_Control        1.348e-03  4.253e-03   0.317  0.75139
## Dribbling           1.980e-03  6.459e-03   0.307  0.75933
## Marking            -1.824e-02  7.782e-03  -2.344  0.01965 *
## Sliding_Tackle     -6.578e-03  5.223e-03  -1.259  0.20884
## Standing_Tackle     3.948e-03  7.364e-03   0.536  0.59227
## Aggression         -4.838e-03  2.785e-03  -1.737  0.08329 .
## Reactions           1.179e-01  4.544e-03  25.943  < 2e-16 ***
## Attacking_Position  1.683e-03  7.738e-03   0.218  0.82792
## Interceptions       2.065e-03  5.337e-03   0.387  0.69905
## Vision              7.441e-04  1.901e-03   0.391  0.69577
## Composure           5.364e-03  1.790e-03   2.997  0.00294 **
## Crossing            1.606e-02  6.971e-03   2.303  0.02189 *
## Short_Pass         -6.398e-03  4.093e-03  -1.563  0.11900
## Long_Pass           1.384e-03  3.749e-03   0.369  0.71220
## Acceleration       -4.850e-04  3.970e-03  -0.122  0.90285
## Speed               1.831e-03  3.861e-03   0.474  0.63568
## Stamina             1.387e-03  3.284e-03   0.422  0.67303
## Strength           -6.157e-04  2.563e-03  -0.240  0.81035
## Balance            -1.739e-05  2.672e-03  -0.007  0.99481
## Agility             4.621e-04  2.419e-03   0.191  0.84859
## Jumping            -5.835e-04  2.822e-03  -0.207  0.83631
## Heading             3.267e-03  6.338e-03   0.515  0.60660
## Shot_Power          1.287e-03  3.611e-03   0.356  0.72182
## Finishing           7.022e-03  8.081e-03   0.869  0.38551
## Long_Shots         -1.801e-04  7.413e-03  -0.024  0.98063
## Curve              -1.104e-02  5.738e-03  -1.924  0.05517 .
## Freekick_Accuracy   9.505e-03  3.622e-03   2.624  0.00908 **
## Penalties           4.160e-03  3.336e-03   1.247  0.21330
## Volleys            -1.405e-02  6.858e-03  -2.048  0.04134 *
## GK_Positioning      2.150e-01  6.681e-03  32.187  < 2e-16 ***
## GK_Diving           2.168e-01  7.125e-03  30.422  < 2e-16 ***
## GK_Kicking          5.231e-02  4.048e-03  12.923  < 2e-16 ***
## GK_Handling         2.129e-01  6.113e-03  34.834  < 2e-16 ***
## GK_Reflexes         1.998e-01  7.068e-03  28.262  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4091 on 328 degrees of freedom
## Multiple R-squared:  0.9965, Adjusted R-squared:  0.996
## F-statistic:  2364 on 39 and 328 DF,  p-value: < 2.2e-16
```

```r
summary(attackfit)
```

```
##
## Call:
## lm(formula = Rating ~ ., data = attack[, -c(1:8, 13, 14, 16,
##     17)])
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -4.6278 -0.7074 -0.0308  0.6839  3.7782
##
```

```
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)        34.0080463 67.4588306   0.504  0.61436
## Contract_Expiry    -0.0157547  0.0332438  -0.474  0.63574
## Height              0.0015055  0.0153600   0.098  0.92195
## Weight              0.0062090  0.0102071   0.608  0.54323
## Age                -0.0194596  0.0162270  -1.199  0.23093
## Weak_foot          -0.0098843  0.0744319  -0.133  0.89440
## Skill_Moves        -0.0113886  0.0983477  -0.116  0.90785
## Ball_Control        0.1865387  0.0171619  10.869  < 2e-16 ***
## Dribbling           0.0788754  0.0158421   4.979 8.44e-07 ***
## Marking            -0.0094134  0.0082646  -1.139  0.25517
## Sliding_Tackle      0.0169487  0.0090271   1.878  0.06094 .
## Standing_Tackle     0.0123302  0.0085759   1.438  0.15104
## Aggression         -0.0026639  0.0042581  -0.626  0.53182
## Reactions           0.1081880  0.0111468   9.706  < 2e-16 ***
## Attacking_Position  0.1512162  0.0139185  10.864  < 2e-16 ***
## Interceptions       0.0011275  0.0059177   0.191  0.84895
## Vision              0.0020472  0.0081584   0.251  0.80196
## Composure           0.0158741  0.0073626   2.156  0.03149 *
## Crossing            0.0074954  0.0068631   1.092  0.27523
## Short_Pass          0.0710995  0.0111818   6.358 4.12e-10 ***
## Long_Pass           0.0003652  0.0071895   0.051  0.95950
## Acceleration        0.0360193  0.0113260   3.180  0.00155 **
## Speed               0.0361724  0.0110717   3.267  0.00115 **
## Stamina             0.0071693  0.0063282   1.133  0.25771
## Strength            0.0241791  0.0073408   3.294  0.00105 **
## Balance            -0.0096980  0.0078075  -1.242  0.21469
## Agility             0.0028954  0.0082875   0.349  0.72694
## Jumping            -0.0110688  0.0049559  -2.233  0.02590 *
## Heading             0.0291663  0.0074130   3.935 9.34e-05 ***
## Shot_Power          0.1125516  0.0115427   9.751  < 2e-16 ***
## Finishing           0.1227016  0.0138316   8.871  < 2e-16 ***
## Long_Shots          0.0205525  0.0103572   1.984  0.04768 *
## Curve              -0.0065526  0.0069769  -0.939  0.34803
## Freekick_Accuracy   0.0003279  0.0056311   0.058  0.95358
## Penalties           0.0023008  0.0072071   0.319  0.74966
## Volleys            -0.0038818  0.0087410  -0.444  0.65714
## GK_Positioning      0.0043233  0.0150414   0.287  0.77389
## GK_Diving           0.0119551  0.0151930   0.787  0.43167
## GK_Kicking          0.0111589  0.0152081   0.734  0.46340
## GK_Handling        -0.0357996  0.0155763  -2.298  0.02190 *
## GK_Reflexes        -0.0037424  0.0151008  -0.248  0.80435
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.177 on 583 degrees of freedom
## Multiple R-squared:  0.9659, Adjusted R-squared:  0.9636
## F-statistic:   413 on 40 and 583 DF,  p-value: < 2.2e-16
```

```r
summary(defensefit)
```

```
##
## Call:
## lm(formula = Rating ~ ., data = defense[, -c(1:8, 13, 14, 16,
```

```
##     17)])
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -5.8546 -0.8569 -0.0594  0.7838 17.9679
##
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)        -52.534805  58.671289  -0.895 0.370742
## Contract_Expiry      0.030833   0.028921   1.066 0.286590
## Height              -0.018939   0.015189  -1.247 0.212662
## Weight               0.008360   0.011552   0.724 0.469392
## Age                  0.002216   0.014381   0.154 0.877548
## Weak_foot            0.031655   0.073719   0.429 0.667704
## Skill_Moves          0.695939   0.138324   5.031 5.59e-07 ***
## Ball_Control         0.062709   0.010203   6.146 1.07e-09 ***
## Dribbling            0.004588   0.007075   0.648 0.516787
## Marking              0.065687   0.013180   4.984 7.11e-07 ***
## Sliding_Tackle       0.093025   0.014264   6.522 1.01e-10 ***
## Standing_Tackle      0.168890   0.017014   9.926  < 2e-16 ***
## Aggression           0.037652   0.005624   6.695 3.26e-11 ***
## Reactions            0.123303   0.009403  13.114  < 2e-16 ***
## Attacking_Position  -0.004075   0.005486  -0.743 0.457792
## Interceptions        0.097812   0.010925   8.953  < 2e-16 ***
## Vision               0.003119   0.005920   0.527 0.598424
## Composure            0.012489   0.005935   2.104 0.035546 *
## Crossing            -0.020463   0.005275  -3.879 0.000110 ***
## Short_Pass           0.077702   0.010692   7.268 6.45e-13 ***
## Long_Pass           -0.007921   0.007737  -1.024 0.306122
## Acceleration         0.001851   0.008955   0.207 0.836255
## Speed                0.044850   0.008466   5.298 1.39e-07 ***
## Stamina              0.024160   0.006298   3.836 0.000131 ***
## Strength             0.040849   0.007954   5.135 3.26e-07 ***
## Balance             -0.007090   0.007502  -0.945 0.344811
## Agility             -0.008391   0.006703  -1.252 0.210877
## Jumping              0.014556   0.005057   2.878 0.004064 **
## Heading              0.074955   0.007870   9.524  < 2e-16 ***
## Shot_Power           0.014356   0.005101   2.815 0.004960 **
## Finishing            0.014567   0.005834   2.497 0.012663 *
## Long_Shots          -0.010539   0.005652  -1.865 0.062482 .
## Curve                0.009872   0.005111   1.932 0.053634 .
## Freekick_Accuracy   -0.007608   0.004708  -1.616 0.106333
## Penalties            0.001631   0.005196   0.314 0.753633
## Volleys              0.005446   0.005242   1.039 0.299061
## GK_Positioning       0.005312   0.014058   0.378 0.705607
## GK_Diving           -0.012240   0.014161  -0.864 0.387590
## GK_Kicking          -0.006346   0.013602  -0.467 0.640895
## GK_Handling         -0.023382   0.014039  -1.666 0.096064 .
## GK_Reflexes         -0.019395   0.013911  -1.394 0.163490
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.563 on 1244 degrees of freedom
## Multiple R-squared:  0.9289, Adjusted R-squared:  0.9266
```

```
## F-statistic: 406.2 on 40 and 1244 DF,  p-value: < 2.2e-16
```

PCA

```r
pcsoccer <- soccer[,-c(1,2,3,4,5,6,7,8,9,11,12,13,14,16,17)]

scalepc <- scale(pcsoccer, T, T)
corpc <- cor(scalepc)

loadingpc <- eigen(corpc)$vectors
rownames(loadingpc) <- colnames(scalepc)
loadingpc
```

```
##                          [,1]        [,2]        [,3]         [,4]
## Rating             -0.09847750 -0.03687319  0.41772127  0.106594228
## Age                -0.02434857 -0.06917161  0.36514013 -0.077494089
## Weak_foot          -0.08559126  0.08102982  0.07372190  0.006718387
## Skill_Moves        -0.16738354  0.15618646 -0.05237090 -0.020370671
## Ball_Control       -0.21667600  0.03150173  0.01824793 -0.007955301
## Dribbling          -0.20963165  0.09960941 -0.02613704  0.038326968
## Marking            -0.09949673 -0.36830859 -0.02506706  0.136976282
## Sliding_Tackle     -0.10059347 -0.36222104 -0.04088950  0.165153735
## Standing_Tackle    -0.10806534 -0.36045337 -0.02484541  0.135225227
## Aggression         -0.14055528 -0.25796620  0.07740029 -0.047240973
## Reactions          -0.09542643 -0.03101305  0.39887546  0.117662480
## Attacking_Position -0.19675137  0.14285352  0.01894937 -0.069625062
## Interceptions      -0.10793445 -0.34958844  0.03103607  0.151086654
## Vision             -0.16509265  0.12702787  0.17307873  0.086993820
## Composure          -0.16507511 -0.02251874  0.22257961 -0.033462530
## Crossing           -0.19715770  0.02454693  0.02005697  0.156384451
## Short_Pass         -0.20641548 -0.03613589  0.06087147  0.050223097
## Long_Pass          -0.18428799 -0.07563439  0.09896278  0.129876891
## Acceleration       -0.16107399  0.11232386 -0.14092013  0.251320650
## Speed              -0.16071620  0.09079892 -0.13515183  0.205716873
## Stamina            -0.18080460 -0.10824939 -0.02738799  0.066082846
## Strength           -0.02421941 -0.22120996  0.21518290 -0.377532087
## Balance            -0.13808752  0.12557498 -0.13366965  0.374248487
## Agility            -0.16288133  0.14893251 -0.04462267  0.303380889
## Jumping            -0.05325871 -0.11986587  0.08859987  0.084243534
## Heading            -0.16177187 -0.16942397 -0.01142329 -0.304241315
## Shot_Power         -0.19459444  0.06403112  0.08318809 -0.160953102
## Finishing          -0.17669304  0.21098196  0.03845652 -0.181674019
## Long_Shots         -0.19327478  0.13030102  0.08957689 -0.092647448
## Curve              -0.19434924  0.10303514  0.07140431  0.043167932
## Freekick_Accuracy  -0.18206357  0.07694841  0.09568785  0.011846789
```

```
## Penalties          -0.17951738  0.13415768  0.04745164 -0.200552727
## Volleys            -0.18300129  0.16582044  0.07564321 -0.146940354
## GK_Positioning      0.18941988  0.07689222  0.23494344  0.144949011
## GK_Diving           0.19029750  0.07828589  0.22950198  0.146395427
## GK_Kicking          0.18927361  0.07881044  0.22937494  0.142165555
## GK_Handling         0.18943599  0.07864239  0.23338168  0.143816051
## GK_Reflexes         0.18991918  0.07876507  0.23159865  0.145748638
##                            [,5]         [,6]         [,7]         [,8]
## Rating              0.1352339086  0.056371168  0.246520503 -0.014232599
## Age                -0.0264893337 -0.050479938 -0.588358697 -0.620910412
## Weak_foot          -0.0432320948 -0.965452458  0.179390181 -0.042323986
## Skill_Moves        -0.0194537766 -0.028206289  0.030718577 -0.162711109
## Ball_Control       -0.0290037873  0.022964976  0.078259303  0.027392558
## Dribbling          -0.0184453608  0.041339822  0.079781319 -0.013325693
## Marking            -0.0998652684 -0.014384233  0.011333984 -0.008599605
## Sliding_Tackle     -0.1107156714 -0.010728144  0.013709269  0.017871912
## Standing_Tackle    -0.1172605566 -0.010911172  0.023489196  0.024546372
## Aggression          0.0674446472  0.014609015 -0.034921132 -0.021419240
## Reactions           0.1092107318  0.065504399  0.153669229 -0.050643333
## Attacking_Position  0.0258444321  0.056317247  0.013088267 -0.017697485
## Interceptions      -0.0981203401 -0.008946284  0.001428637  0.002583874
## Vision             -0.1877539250  0.034542640  0.021491694  0.192808754
## Composure           0.0088495999 -0.021139793 -0.027649986 -0.022815817
## Crossing           -0.1256278563  0.046108198 -0.013212541 -0.112157737
## Short_Pass         -0.1305862793  0.018500975  0.082296924  0.137908949
## Long_Pass          -0.2404600279  0.018310483  0.047000852  0.186637934
## Acceleration        0.2927483103  0.053423547  0.187219762 -0.223832883
## Speed               0.3315518074  0.070348308  0.238323051 -0.237391981
## Stamina             0.1736590954  0.044898554  0.082630258 -0.069063363
## Strength            0.2491299187  0.031612227  0.269259247 -0.115493913
## Balance             0.0421059764 -0.055991872 -0.303089600  0.019333640
## Agility             0.1585360450  0.004832845 -0.068780449 -0.113948283
## Jumping             0.5996620480 -0.137352606 -0.435719276  0.516072933
## Heading             0.1820295680 -0.014284697  0.018240680  0.035012084
## Shot_Power         -0.0094142855  0.055369193  0.010314459  0.140180271
## Finishing           0.0418147388  0.037695862  0.004103839  0.048418224
## Long_Shots         -0.0635677574  0.050795724 -0.033351578  0.125450130
## Curve              -0.1486399217  0.042242161 -0.056653967  0.048644922
## Freekick_Accuracy  -0.2305772407  0.018925753 -0.140853888  0.088529590
## Penalties          -0.0135188588  0.018465105 -0.108471583  0.068022580
## Volleys            -0.0026051692  0.028559030 -0.048737042  0.053953430
## GK_Positioning      0.0022286804  0.023114588  0.049717511  0.041950561
## GK_Diving           0.0026970494  0.026444184  0.056376546  0.060731490
## GK_Kicking         -0.0027676073  0.021942349  0.052109478  0.057585306
## GK_Handling         0.0004074592  0.025454816  0.055654426  0.055285450
## GK_Reflexes         0.0028716975  0.026973585  0.057833466  0.061899556
##                           [,9]        [,10]        [,11]       [,12]
## Rating              0.204477309 -0.184488737  0.106527016 -0.06738047
## Age                -0.071508116  0.093901152  0.014418969 -0.16903115
## Weak_foot          -0.082358122 -0.035118437 -0.056134943 -0.01376534
## Skill_Moves         0.327015540  0.019716587  0.641721033  0.04372858
## Ball_Control        0.105290779  0.055598855  0.011514605 -0.13404124
## Dribbling           0.025964947  0.037073380  0.009896963 -0.15012471
## Marking            -0.033180102 -0.117389305  0.020400605  0.04690154
```

```
## Sliding_Tackle     -0.048767931 -0.119424844  0.028649499  0.05669284
## Standing_Tackle    -0.040227536 -0.102962813  0.026878814  0.05443486
## Aggression         -0.087346794  0.098905834 -0.213268796  0.21868959
## Reactions           0.348883227 -0.352394228 -0.200223079 -0.14835171
## Attacking_Position -0.042330909  0.008743932 -0.183547923 -0.20690264
## Interceptions      -0.044962229 -0.096037892 -0.017583006  0.02659305
## Vision              0.002287297  0.413451409 -0.090863760 -0.16271682
## Composure           0.354171958  0.355933193 -0.106935745  0.64051158
## Crossing           -0.174116772 -0.053259686  0.153952199 -0.22905259
## Short_Pass          0.106121224  0.186193651  0.045071536 -0.18987632
## Long_Pass           0.007809851  0.293733163  0.126652458 -0.15507516
## Acceleration       -0.133447240 -0.018853709  0.041457988  0.12903260
## Speed              -0.159580195 -0.015741788  0.068319090  0.12200357
## Stamina            -0.243027776  0.143339080 -0.270720158 -0.18721032
## Strength           -0.316419225  0.293168306  0.205050638  0.03097424
## Balance             0.116868978 -0.004568698 -0.233490072  0.11353110
## Agility            -0.020120990  0.127891367 -0.033693966  0.03484429
## Jumping            -0.025631538  0.037857190  0.255691107 -0.11177043
## Heading             0.188300189 -0.179446671 -0.047842342 -0.11200425
## Shot_Power         -0.166993515 -0.054992378 -0.070150375  0.21049907
## Finishing          -0.028436594 -0.054491703 -0.141476784 -0.08340554
## Long_Shots         -0.213682108 -0.059671165 -0.095341528  0.05089444
## Curve              -0.198813693 -0.144201559  0.179003752  0.11516561
## Freekick_Accuracy  -0.293880811 -0.223152368  0.259953971  0.22153136
## Penalties          -0.036736388 -0.291450389 -0.068567571  0.10788309
## Volleys            -0.058889832 -0.157375480 -0.079904328  0.10423283
## GK_Positioning     -0.106953120 -0.010954470  0.005835621  0.03702907
## GK_Diving          -0.112255620 -0.015783871  0.008981083  0.04276254
## GK_Kicking         -0.122434500 -0.006161096  0.008741241  0.03981325
## GK_Handling        -0.113262048 -0.006414739  0.014057246  0.03899063
## GK_Reflexes        -0.112656394 -0.018015186  0.009945043  0.03963619
##                          [,13]        [,14]        [,15]        [,16]
## Rating             -0.047677984  0.132016740  0.056344932 -0.053311504
## Age                -0.135321873  0.081724937 -0.003348892 -0.148096747
## Weak_foot          -0.001270657  0.007835907 -0.026017850 -0.004588543
## Skill_Moves         0.499275186 -0.027927325  0.064883667 -0.299737025
## Ball_Control       -0.075264930  0.104427423 -0.006426008  0.069102085
## Dribbling          -0.051846129  0.046360784 -0.087418981  0.078663537
## Marking            -0.072475665 -0.032264369  0.089342412 -0.129050350
## Sliding_Tackle     -0.054707013 -0.035749002  0.045465041 -0.125152501
## Standing_Tackle    -0.021963354 -0.046795901  0.059829528 -0.125034889
## Aggression          0.506165278  0.411692821 -0.487887280  0.138467262
## Reactions           0.158532383 -0.156334597 -0.024417809  0.252120078
## Attacking_Position  0.047910924 -0.118993617 -0.134668721  0.053941387
## Interceptions       0.057371147 -0.071831894  0.063966977 -0.105865332
## Vision              0.086037077 -0.262328267 -0.088148240 -0.088048411
## Composure          -0.262765171 -0.292911054 -0.078670926  0.003087235
## Crossing           -0.161111373 -0.053976124 -0.236355443  0.207027415
## Short_Pass         -0.126939887  0.216136258  0.087284079  0.019243690
## Long_Pass          -0.172997935  0.279466567  0.112724645 -0.040520078
## Acceleration       -0.159040589  0.043265373 -0.058687924 -0.077230266
## Speed              -0.223483206  0.051239480 -0.107057666 -0.109945097
## Stamina             0.311756947 -0.457901603  0.134217420 -0.282460190
## Strength            0.084975457  0.003905348  0.414212558  0.381778438
```

```
## Balance             0.202517155  0.185456753  0.521293901  0.268254981
## Agility             0.043699993  0.109301216  0.080416599  0.128861238
## Jumping            -0.062512252 -0.083556005 -0.130542059 -0.022799730
## Heading            -0.167767392  0.086967988 -0.001591125 -0.021857621
## Shot_Power         -0.008555358  0.309540772  0.052773892 -0.270038630
## Finishing          -0.003846905  0.034812083  0.046056047 -0.149785229
## Long_Shots          0.041000970  0.113863406  0.065795141 -0.223002132
## Curve              -0.034133200 -0.154403783 -0.173307379  0.257992672
## Freekick_Accuracy   0.083983655 -0.196310816 -0.002365819  0.265126422
## Penalties          -0.102472883 -0.074243457  0.279989876 -0.064484473
## Volleys             0.026407498  0.031582373 -0.021877174 -0.144487895
## GK_Positioning      0.018234070  0.041352566  0.020969401 -0.087599996
## GK_Diving           0.018824847  0.042750911  0.022839635 -0.080191230
## GK_Kicking          0.022857567  0.039434044  0.017643003 -0.093433549
## GK_Handling         0.016813502  0.034368976  0.013540227 -0.084870783
## GK_Reflexes         0.019525575  0.040837167  0.015933763 -0.082420139
##                          [,17]         [,18]         [,19]         [,20]
## Rating             -0.080136625  0.0359993814  0.1296233161  0.2061515537
## Age                -0.026862423  0.0451303436 -0.0354853562 -0.0993083215
## Weak_foot          -0.006195819  0.0014092363 -0.0004930407 -0.0093411709
## Skill_Moves         0.077516027 -0.0377983427  0.0694206892  0.0009683909
## Ball_Control       -0.040893664 -0.0428399484  0.0613469827  0.0991156052
## Dribbling           0.116275819 -0.1190425864  0.1014163676  0.0913014143
## Marking             0.149374388 -0.0627958206 -0.0329100637  0.0484168904
## Sliding_Tackle      0.188914671 -0.0704263607 -0.0122230519  0.0293655499
## Standing_Tackle     0.175539762 -0.0649820668 -0.0315514017  0.0293060078
## Aggression          0.047345933  0.2507951461  0.1420102222  0.0826001108
## Reactions          -0.104244580 -0.0347022197 -0.2425339408 -0.3607002082
## Attacking_Position  0.259005332 -0.1411009808  0.1157523603  0.0092760451
## Interceptions       0.135710886 -0.0439377377 -0.0995777906 -0.0348466279
## Vision              0.432430966  0.2732377605 -0.2111051225 -0.2105059892
## Composure          -0.065533077 -0.1320513500  0.1488717356  0.0871615958
## Crossing            0.074831337 -0.2152540923  0.3558030957  0.1398674046
## Short_Pass         -0.191020697  0.1093267114  0.0722187948 -0.0018514494
## Long_Pass          -0.272524755  0.1649846702  0.0084779738 -0.0915010404
## Acceleration        0.049239179  0.1630898285 -0.0151360371 -0.2058708035
## Speed               0.047675174  0.1717241325  0.0369928372 -0.2622279268
## Stamina            -0.482930162  0.0264690269  0.1934913173  0.1689197081
## Strength            0.187818935 -0.1148252489 -0.0139434786 -0.0443212873
## Balance             0.098434931 -0.0958534905  0.3191070424 -0.1598202133
## Agility            -0.004396580 -0.0521555631 -0.6296564350  0.5698550390
## Jumping             0.019087689 -0.0375965305  0.0211852884 -0.0653435941
## Heading            -0.004508937  0.1043722421 -0.0304134655  0.1745709023
## Shot_Power         -0.172862227 -0.2184454381 -0.1110381061 -0.2158440542
## Finishing           0.181362093 -0.0833617695  0.0117546392  0.0503627930
## Long_Shots         -0.033347578 -0.2343587298 -0.1595957082 -0.1420721217
## Curve              -0.103232897 -0.1216452322  0.0496911345  0.0724214185
## Freekick_Accuracy  -0.229246694  0.2289081503 -0.1575027081 -0.1025756460
## Penalties           0.180102623  0.6013990883  0.1612917546  0.2351453961
## Volleys             0.133858889 -0.2642205156  0.0120461085  0.0867093333
## GK_Positioning      0.055910969 -0.0027435993  0.0797028139  0.0780803648
## GK_Diving           0.050331874 -0.0010224703  0.0744799728  0.0805789654
## GK_Kicking          0.060436600  0.0088966272  0.0830908117  0.0775138121
## GK_Handling         0.057369986  0.0012302844  0.0740596176  0.0875882291
```

```
## GK_Reflexes         0.056556781  0.0002894551  0.0732271621  0.0801581753
##                            [,21]        [,22]        [,23]        [,24]
## Rating              0.3873848559  0.077134247 -0.043412102  0.286072082
## Age                 0.0368830493 -0.023339785 -0.004710045  0.094624611
## Weak_foot          -0.0054063162  0.010849719  0.006856274 -0.004127023
## Skill_Moves        -0.0729326301  0.032608521  0.001457377 -0.117124713
## Ball_Control        0.0392116252  0.092908534 -0.078092561  0.287463495
## Dribbling          -0.0282619133  0.128450107 -0.110837206  0.242125381
## Marking             0.0055749157  0.004323473 -0.020090178  0.010401023
## Sliding_Tackle     -0.0160797967  0.015445273  0.004055492  0.011824702
## Standing_Tackle    -0.0123030814  0.004600435 -0.024351874  0.061338708
## Aggression         -0.0494314609 -0.021472914 -0.013917256  0.005304039
## Reactions          -0.3021069926  0.011750469  0.116476224 -0.120021951
## Attacking_Position -0.0907934031  0.053872767 -0.395584447 -0.049368709
## Interceptions      -0.0895455490 -0.044484348 -0.111899846  0.048407922
## Vision              0.3386171735  0.023594907  0.259311564 -0.034135971
## Composure          -0.0852504236  0.057207534 -0.110812364 -0.092124092
## Crossing           -0.1228891076  0.229933553  0.211775648 -0.475316143
## Short_Pass         -0.1048749285 -0.133837470 -0.066400605  0.072417388
## Long_Pass          -0.2533163537 -0.238068764 -0.031864005 -0.163656144
## Acceleration       -0.0149712661 -0.079481199 -0.059714632  0.035472674
## Speed               0.0321255108 -0.091725652  0.012956638 -0.039579610
## Stamina             0.0387338391 -0.027343138  0.064435824 -0.013531694
## Strength           -0.0734738559 -0.017346922  0.040119667 -0.003019887
## Balance             0.2306693334 -0.034341906  0.021382483 -0.066898415
## Agility            -0.0835978457  0.064632749  0.047454789 -0.102751904
## Jumping            -0.1045500716  0.027494541 -0.015979992  0.063962077
## Heading             0.4753707805 -0.132711006 -0.014287269 -0.491204456
## Shot_Power          0.0902248048  0.404340501  0.313109925 -0.084397137
## Finishing          -0.0540100342 -0.069579621 -0.334897571  0.061925609
## Long_Shots         -0.0381096104  0.186094549 -0.204085851 -0.029018619
## Curve               0.1461800026 -0.099561818  0.337480985  0.363157138
## Freekick_Accuracy   0.2104237544 -0.071441004 -0.425550109 -0.143248236
## Penalties          -0.3530728191  0.193912153  0.190951619  0.049811344
## Volleys            -0.1002277058 -0.729603344  0.247968331 -0.006806395
## GK_Positioning     -0.0029883442 -0.017609915 -0.046265531 -0.078748954
## GK_Diving          -0.0102326254 -0.018721491 -0.038866136 -0.077366447
## GK_Kicking         -0.0035292175 -0.029209394 -0.038566351 -0.101424991
## GK_Handling        -0.0049552599 -0.023701851 -0.039795169 -0.075643418
## GK_Reflexes        -0.0008946512 -0.025755509 -0.043761766 -0.070953761
##                           [,25]        [,26]         [,27]         [,28]
## Rating              0.263598728  0.095580477  0.1175645797  0.3131296334
## Age                -0.020552368 -0.040328616 -0.0291791715 -0.0419229345
## Weak_foot          -0.009963560 -0.007912092 -0.0011621480  0.0003366163
## Skill_Moves        -0.120223874 -0.024969168 -0.0199988004 -0.0359171781
## Ball_Control        0.120600074 -0.055194175  0.0184558687 -0.3307778701
## Dribbling           0.069677257 -0.047393554 -0.0919259095 -0.5190580605
## Marking            -0.019211200 -0.048372633 -0.2302019156  0.0117074953
## Sliding_Tackle      0.014625750 -0.145072532 -0.3273843985 -0.0126895667
## Standing_Tackle     0.025623897 -0.095090126 -0.1989382603  0.0295932901
## Aggression          0.007735967  0.072422762 -0.0631703005  0.0143641444
## Reactions          -0.049438112 -0.009624467 -0.1370032837 -0.0567739507
## Attacking_Position -0.264708460 -0.489071883  0.1859012359  0.1090852457
## Interceptions      -0.116869503  0.185822433  0.7804917264 -0.0112260387
```

```
## Vision              0.096130901  0.051977025 -0.0094817608  0.0043613938
## Composure          -0.012512547  0.032254141 -0.0009573229 -0.0168428638
## Crossing            0.246514427  0.195067966  0.0570764164  0.1317721664
## Short_Pass         -0.015615559 -0.121337544  0.0189355269 -0.0602273743
## Long_Pass          -0.179137012  0.022720589 -0.0382228984  0.1454480693
## Acceleration       -0.030455012  0.086559760  0.0475488983 -0.0746464974
## Speed              -0.037096768 -0.052935033 -0.0368599447  0.0377348983
## Stamina             0.009711314 -0.020181638 -0.0532038547 -0.0361745499
## Strength            0.006502196  0.009882845 -0.0201188130 -0.0075429063
## Balance            -0.041038565  0.023802219 -0.0055399505  0.0081407929
## Agility            -0.006722779 -0.052750249  0.0020992810  0.0616109891
## Jumping             0.043468173 -0.007781936 -0.0044622254  0.0045297416
## Heading            -0.322547866  0.039075770 -0.0070253650 -0.2304033341
## Shot_Power          0.045423062 -0.419325179  0.1302706517  0.0789188496
## Finishing          -0.060531918  0.172442846 -0.2404349896  0.5077187314
## Long_Shots         -0.079468336  0.590455100 -0.1026713879 -0.2296010519
## Curve              -0.599151099  0.064150608 -0.0519239888  0.1001248445
## Freekick_Accuracy   0.277537929 -0.154413933 -0.0139098542 -0.0506474902
## Penalties          -0.014573433  0.015116400  0.0426701538 -0.0529707712
## Volleys             0.323840574 -0.074253233  0.0765829328 -0.1071094070
## GK_Positioning     -0.087049837 -0.039494787 -0.0222043855 -0.0943263245
## GK_Diving          -0.087613749 -0.052285166 -0.0207425384 -0.0929694052
## GK_Kicking         -0.121017019 -0.052241946 -0.0119363474 -0.1364887912
## GK_Handling        -0.077499641 -0.050281551 -0.0186438157 -0.0835889577
## GK_Reflexes        -0.083838905 -0.039295578 -0.0214726844 -0.0943933525
##                          [,29]         [,30]         [,31]         [,32]
## Rating              0.1902314647 -0.1857514266  0.1442106102 -0.0776578415
## Age                -0.0082505372  0.0135835998 -0.0113696234 -0.0214005595
## Weak_foot          -0.0002741935 -0.0052514125  0.0034040301 -0.0031813693
## Skill_Moves        -0.0077684775 -0.0020641150 -0.0288220010  0.0214159851
## Ball_Control       -0.1735527495  0.0961062452 -0.0458241550  0.6066194257
## Dribbling          -0.1954699735  0.1986025759  0.3225616517 -0.4166484918
## Marking             0.0056475399  0.0140718944 -0.0362228221  0.5268612828
## Sliding_Tackle      0.0781739728 -0.0368233673  0.0136595923 -0.2123701423
## Standing_Tackle     0.0411986125 -0.0293416864 -0.0342542660 -0.2329644393
## Aggression         -0.0054084012 -0.0025714598 -0.0072205566  0.0175903314
## Reactions          -0.0594003795  0.0617300048 -0.0137305779  0.0121526813
## Attacking_Position  0.3008706879 -0.2975727674  0.0675310909  0.0733097492
## Interceptions      -0.2295674782  0.1359549618 -0.0062067744 -0.0598313072
## Vision              0.0036389005  0.0145053693 -0.0175364900  0.0227322344
## Composure          -0.0115038212  0.0073995868 -0.0107884521 -0.0166632448
## Crossing           -0.0063676728  0.0500595301 -0.0847910796  0.0289449257
## Short_Pass          0.0168216934 -0.0561406270 -0.7514374461 -0.2172695564
## Long_Pass           0.0549305507 -0.0001546435  0.5173385438  0.0534812698
## Acceleration        0.5477767079  0.4751041594 -0.0613863725  0.0373285752
## Speed              -0.4968149491 -0.4344537001  0.0024634185 -0.0001118322
## Stamina            -0.0276150336  0.0385018245  0.0223350108 -0.0120647658
## Strength            0.0148043612  0.0103099776 -0.0051914279 -0.0036086784
## Balance            -0.0301184921 -0.0196800549  0.0208077141 -0.0032451965
## Agility            -0.0212324593 -0.0510504000 -0.0169486594 -0.0180442890
## Jumping            -0.0007616732  0.0058698612  0.0004412008  0.0091754571
## Heading            -0.0268382033  0.0882765047  0.0037756186 -0.0342289954
## Shot_Power         -0.0517447092  0.1776821585  0.0149334152 -0.0206197016
## Finishing          -0.3506469100  0.4262591620 -0.0741356307 -0.0229271917
```

```
## Long_Shots          0.2012135992 -0.3642099830 -0.0612187508  0.0072575355
## Curve              -0.0033794954  0.0130816623 -0.0401774087 -0.0035321411
## Freekick_Accuracy  -0.0604710359  0.0524916146  0.0013686108 -0.0041659974
## Penalties           0.0382068958 -0.0732721232  0.0248165936 -0.0026452120
## Volleys             0.0651214866 -0.0635158982  0.0313056333  0.0244830620
## GK_Positioning     -0.0304327243  0.0354612539 -0.0347920711  0.0113165768
## GK_Diving          -0.0473126374  0.0534252613 -0.0430647914 -0.0109159874
## GK_Kicking         -0.0738245265  0.0624556476 -0.0509210479  0.0910225580
## GK_Handling        -0.0455685082  0.0389312747 -0.0289346750  0.0052468602
## GK_Reflexes        -0.0335100759  0.0524842876 -0.0213177594  0.0070560263
##                           [,33]        [,34]         [,35]         [,36]
## Rating              0.0428023002 -0.075316040 -0.0040753295 -0.0016417531
## Age                -0.0114481759  0.006809078 -0.0125638217  0.0096044612
## Weak_foot           0.0028674744  0.002378350 -0.0017127152  0.0013941701
## Skill_Moves         0.0001419729  0.012977102 -0.0036055558  0.0019194838
## Ball_Control       -0.4141421695  0.254304668 -0.0198646072 -0.0022071540
## Dribbling           0.3007204975 -0.161150440  0.0217788198  0.0010809370
## Marking             0.5960412712 -0.232130015  0.0211332532  0.0129536940
## Sliding_Tackle     -0.2958060711  0.121954059 -0.0072210786 -0.0253581731
## Standing_Tackle    -0.2971771628  0.103270427 -0.0158199691  0.0175719990
## Aggression          0.0156850938 -0.001633477  0.0012024299  0.0007076605
## Reactions          -0.0106248900  0.003274778  0.0050580625  0.0045344443
## Attacking_Position  0.0079583389 -0.003276284 -0.0082841723  0.0036531567
## Interceptions      -0.0051692323  0.017985801  0.0037821919 -0.0046632578
## Vision              0.0138367552  0.003392234 -0.0038398763 -0.0050698717
## Composure           0.0017497989 -0.002680053 -0.0052205858  0.0003224345
## Crossing           -0.0267960584  0.011899917 -0.0068242191 -0.0009974968
## Short_Pass          0.1384387608 -0.068165935  0.0096740263  0.0015003664
## Long_Pass          -0.0385821413  0.018728270 -0.0017932313 -0.0026172947
## Acceleration       -0.0298968337  0.012164670  0.0052231111  0.0074639477
## Speed              -0.0001097433  0.012800234 -0.0056595376 -0.0030227296
## Stamina             0.0008681667  0.006569292 -0.0018040223 -0.0004356531
## Strength           -0.0043970094  0.001431986 -0.0004137037 -0.0018161701
## Balance            -0.0058182428  0.005270623  0.0023498647  0.0091759400
## Agility            -0.0044465430 -0.008472048 -0.0013830286 -0.0052059789
## Jumping             0.0077040068 -0.006416109  0.0035200217 -0.0041641102
## Heading            -0.0266836363  0.043604555  0.0017783426  0.0058569442
## Shot_Power          0.0305401133 -0.011440727  0.0079871135 -0.0026979918
## Finishing          -0.0317683849  0.009559355  0.0034013313 -0.0060063451
## Long_Shots         -0.0167852146  0.005414484 -0.0038421181  0.0127258737
## Curve              -0.0012992984  0.008478829  0.0055424194 -0.0028978883
## Freekick_Accuracy   0.0154254445 -0.007407635  0.0046358952 -0.0060656528
## Penalties           0.0037727226  0.002038921  0.0011526917 -0.0007262887
## Volleys             0.0102257289 -0.005700600  0.0002329480 -0.0051355413
## GK_Positioning      0.0712018125  0.226827498  0.4789602471 -0.7212586097
## GK_Diving           0.1393885967  0.251948262 -0.5051703555  0.0412239806
## GK_Kicking         -0.3844561629 -0.783790893 -0.0320046193 -0.0184382367
## GK_Handling         0.0393491963  0.204608298  0.5370949157  0.6897920439
## GK_Reflexes         0.0693630345  0.211196803 -0.4728336202  0.0103256163
##                           [,37]         [,38]
## Rating             -0.0055447852 -0.0295369027
## Age                 0.0001325087  0.0036258297
## Weak_foot           0.0004486754 -0.0005754697
## Skill_Moves         0.0020051924 -0.0037056189
```

```
## Ball_Control       -0.0195921283  0.0008114749
## Dribbling           0.0086135967  0.0172883514
## Marking             0.0131870699  0.0332047322
## Sliding_Tackle      0.0579935638 -0.6663855476
## Standing_Tackle    -0.0816627329  0.7286267452
## Aggression         -0.0011031643 -0.0024040034
## Reactions           0.0011140611  0.0101606503
## Attacking_Position -0.0022844541  0.0068088267
## Interceptions       0.0101721529 -0.0866289005
## Vision             -0.0038078824 -0.0079850880
## Composure           0.0032163668 -0.0021327974
## Crossing           -0.0003368634  0.0181531389
## Short_Pass          0.0237518607 -0.0298752323
## Long_Pass          -0.0093771771  0.0198403575
## Acceleration       -0.0089086885  0.0141794220
## Speed               0.0034964007  0.0096519594
## Stamina             0.0026181218 -0.0056036917
## Strength            0.0030140506 -0.0128657161
## Balance             0.0017744429  0.0087742952
## Agility             0.0030360715  0.0012474790
## Jumping            -0.0013799833  0.0048049947
## Heading            -0.0031852815  0.0201196381
## Shot_Power          0.0087682408  0.0067095586
## Finishing           0.0025525748 -0.0252481017
## Long_Shots         -0.0059874610 -0.0066043842
## Curve              -0.0003502923 -0.0011509028
## Freekick_Accuracy   0.0001485283 -0.0064138878
## Penalties           0.0024324075  0.0030667815
## Volleys            -0.0043742550 -0.0011482606
## GK_Positioning     -0.0195325042  0.0359908618
## GK_Diving          -0.6779534487 -0.0598981518
## GK_Kicking         -0.0404934784 -0.0037229829
## GK_Handling         0.0122499512 -0.0050409279
## GK_Reflexes         0.7255647848  0.0817826492
```

```r
eigenpc <- eigen(corpc)$values
eigenpc
```

```
##  [1] 19.50103815  5.19363027  3.42873946  1.73872644  1.36788830
##  [6]  0.82894975  0.71602420  0.55569431  0.46342383  0.37268506
## [11]  0.36376356  0.30610428  0.28720111  0.25536435  0.24252537
## [16]  0.22742635  0.21710106  0.20529550  0.19260151  0.18049217
## [21]  0.15358763  0.14679538  0.13092409  0.11617365  0.10680955
## [26]  0.09140248  0.08434227  0.08015892  0.07078072  0.06985558
## [31]  0.06361268  0.04418852  0.03971192  0.03923393  0.03326878
## [36]  0.03182729  0.02740198  0.02524958
```

```r
sum(eigenpc)
```

```
## [1] 38
```

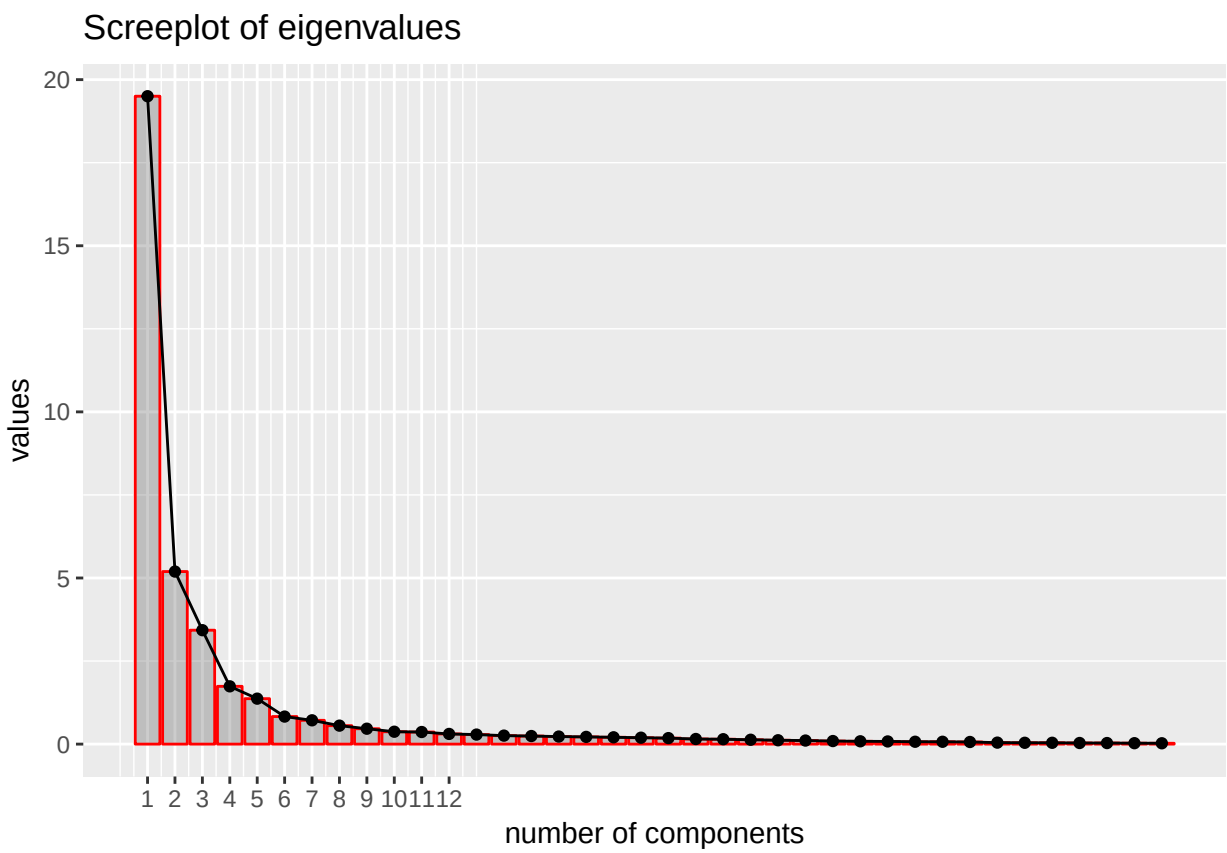
```r
pcsoccer <- scalepc %*% loadingpc
colnames(pcsoccer) <- paste0("PC", 1:38)
head(pcsoccer[,1:2])
```

```
##            PC1      PC2
```

```
## [1,] -9.020517 3.677038
## [2,] -8.699723 5.131229
## [3,] -8.051285 5.073677
## [4,] -7.193752 3.180248
## [5,]  8.079163 1.506307
## [6,]  9.226646 1.769915
```

```r
eigen_data <- matrix(0, nrow = round(sum(eigenpc),0), ncol = 3)
colnames(eigen_data) <- c("eigenvalue", "percentage", "cumulative.percentage")
rownames(eigen_data) <- paste0("comp", 1:sum(eigenpc))
eigen_data[,1] <- eigenpc
percentage <- apply(as.matrix(eigenpc), 2, sum(eigenpc), FUN = "/") * 100
eigen_data[,2] <- percentage
cum_fun <- function(x){ #x should be n * 1 column matrix
for (i in 2:nrow(x)){
x[i,] <- x[i-1,] + x[i,]
}
return(x)
}
cumulative <- cum_fun(percentage) #or use cumsum!!!
eigen_data[,3] <- cumulative
print(eigen_data)
```

```
##         eigenvalue  percentage cumulative.percentage
## comp1  19.50103815 51.31852145              51.31852
## comp2   5.19363027 13.66744809              64.98597
## comp3   3.42873946  9.02299859              74.00897
## comp4   1.73872644  4.57559589              78.58456
## comp5   1.36788830  3.59970607              82.18427
## comp6   0.82894975  2.18144670              84.36572
## comp7   0.71602420  1.88427421              86.24999
## comp8   0.55569431  1.46235344              87.71234
## comp9   0.46342383  1.21953640              88.93188
## comp10  0.37268506  0.98075015              89.91263
## comp11  0.36376356  0.95727254              90.86990
## comp12  0.30610428  0.80553758              91.67544
## comp13  0.28720111  0.75579239              92.43123
## comp14  0.25536435  0.67201143              93.10324
## comp15  0.24252537  0.63822467              93.74147
## comp16  0.22742635  0.59849038              94.33996
## comp17  0.21710106  0.57131858              94.91128
## comp18  0.20529550  0.54025131              95.45153
## comp19  0.19260151  0.50684609              95.95838
## comp20  0.18049217  0.47497939              96.43336
## comp21  0.15358763  0.40417798              96.83753
## comp22  0.14679538  0.38630362              97.22384
## comp23  0.13092409  0.34453709              97.56837
## comp24  0.11617365  0.30572012              97.87409
## comp25  0.10680955  0.28107776              98.15517
## comp26  0.09140248  0.24053284              98.39570
## comp27  0.08434227  0.22195335              98.61766
## comp28  0.08015892  0.21094454              98.82860
## comp29  0.07078072  0.18626506              99.01487
## comp30  0.06985558  0.18383049              99.19870
## comp31  0.06361268  0.16740179              99.36610
```

```
## comp32  0.04418852  0.11628559              99.48239
## comp33  0.03971192  0.10450504              99.58689
## comp34  0.03923393  0.10324718              99.69014
## comp35  0.03326878  0.08754943              99.77769
## comp36  0.03182729  0.08375604              99.86144
## comp37  0.02740198  0.07211047              99.93355
## comp38  0.02524958  0.06644625             100.00000
```

```
graph <- ggplot(as.data.frame(eigen_data[,1]), aes(x = 1:38, y = as.numeric(eigen_data[,1])))
graph <- graph + geom_bar(stat = "identity", alpha = 0.3, color = "red") + geom_point() +
geom_line() +
labs(title = "Screeplot of eigenvalues", x = "number of components", y = "values") +
scale_x_continuous(breaks=seq(1,12,1))
graph
```