```
for(i in 1:20){
  game(100)
}
```

```
## Start at: Go
## Address Number 1
## You rolled a 10 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 9 and landed on New York Avenue
##
## End at: New York Avenue
## Address Number 20
## Start at: New York Avenue
## Address Number 20
## You rolled a 9 and landed on Water Works
##
## End at: Water Works
## Address Number 29
## Start at: Water Works
## Address Number 29
## You rolled a 6 and landed on Pennsylvania Avenue
##
## End at: Pennsylvania Avenue
## Address Number 35
## Start at: Pennsylvania Avenue
## Address Number 35
## You rolled a 4 and landed on Luxury Tax
## You rolled doubles and got an extra roll of 7 and then landed at Reading Railroad
##
## End at: Reading Railroad
## Address Number 6
## Start at: Reading Railroad
## Address Number 6
## You rolled a 7 and landed on Electric Company
##
## End at: Electric Company
## Address Number 13
## Start at: Electric Company
## Address Number 13
## You rolled a 8 and landed on Free Parking
##
## End at: Free Parking
## Address Number 21
## Start at: Free Parking
## Address Number 21
## You rolled a 10 and landed on Jail
## You rolled doubles and got an extra roll of 10 and then landed at Jail
##
## End at: Jail
## Address Number 11
```

```
## Start at: Jail
## Address Number 11
## You rolled a 5 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 5 and landed on Pennsylvania Railroad
##
## End at: Pennsylvania Railroad
## Address Number 16
## Start at: Pennsylvania Railroad
## Address Number 16
## You rolled a 8 and landed on Indiana Avenue
##
## End at: Indiana Avenue
## Address Number 24
## Start at: Indiana Avenue
## Address Number 24
## You rolled a 3 and landed on Atlantic Avenue
##
## End at: Atlantic Avenue
## Address Number 27
## Start at: Atlantic Avenue
## Address Number 27
## You rolled a 10 and landed on Chance
## You drew chance card 1 and today is your lucky day:  Advance to Go
## End at: Go
## Address Number 1
## Start at: Go
## Address Number 1
## You rolled a 7 and landed on Chance
## You drew chance card 6 and today is your lucky day:  Take a ride on the Reading Railroad
## End at: Reading Railroad
## Address Number 6
## Start at: Reading Railroad
## Address Number 6
## You rolled a 10 and landed on Pennsylvania Railroad
##
## End at: Pennsylvania Railroad
## Address Number 16
## Start at: Pennsylvania Railroad
## Address Number 16
## You rolled a 8 and landed on Indiana Avenue
## You rolled doubles and got an extra roll of 2 and then landed at B & O Railroad
## You rolled doubles twice in a row and rolled a 6 on your third roll, landing on 32
## End at: Pacific Avenue
## Address Number 32
## Start at: Pacific Avenue
## Address Number 32
## You rolled a 6 and landed on Park Place
##
## End at: Park Place
```

```
## Address Number 38
## Start at: Park Place
## Address Number 38
## You rolled a 5 and landed on Community Chest
## You drew community card 15 and today is your lucky day:  You have won second prize in a beauty contes
## End at: Community Chest
## Address Number 3
## Start at: Community Chest
## Address Number 3
## You rolled a 11 and landed on States Avenue
##
## End at: States Avenue
## Address Number 14
## Start at: States Avenue
## Address Number 14
## You rolled a 8 and landed on Kentucky Avenue
##
## End at: Kentucky Avenue
## Address Number 22
## Start at: Kentucky Avenue
## Address Number 22
## You rolled a 9 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 12 and landed on Chance
## You drew chance card 8 and today is your lucky day:  Go to Jail
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 7 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 6 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 7 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 5 and landed on Pennsylvania Railroad
##
## End at: Pennsylvania Railroad
```

```
## Address Number 16
## Start at: Pennsylvania Railroad
## Address Number 16
## You rolled a 8 and landed on Indiana Avenue
##
## End at: Indiana Avenue
## Address Number 24
## Start at: Indiana Avenue
## Address Number 24
## You rolled a 6 and landed on Marvin Gardens
##
## End at: Marvin Gardens
## Address Number 30
## Start at: Marvin Gardens
## Address Number 30
## You rolled a 5 and landed on Pennsylvania Avenue
##
## End at: Pennsylvania Avenue
## Address Number 35
## Start at: Pennsylvania Avenue
## Address Number 35
## You rolled a 7 and landed on Mediterranean Avenue
##
## End at: Mediterranean Avenue
## Address Number 2
## Start at: Mediterranean Avenue
## Address Number 2
## You rolled a 9 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 9 and landed on New York Avenue
##
## End at: New York Avenue
## Address Number 20
## Start at: New York Avenue
## Address Number 20
## You rolled a 9 and landed on Water Works
##
## End at: Water Works
## Address Number 29
## Start at: Water Works
## Address Number 29
## You rolled a 7 and landed on Short Line Railroad
##
## End at: Short Line Railroad
## Address Number 36
## Start at: Short Line Railroad
## Address Number 36
## You rolled a 5 and landed on Go
##
## End at: Go
```

```
## Address Number 1
## Start at: Go
## Address Number 1
## You rolled a 9 and landed on Connecticut Avenue
##
## End at: Connecticut Avenue
## Address Number 10
## Start at: Connecticut Avenue
## Address Number 10
## You rolled a 9 and landed on Tennessee Avenue
##
## End at: Tennessee Avenue
## Address Number 19
## Start at: Tennessee Avenue
## Address Number 19
## You rolled a 4 and landed on Chance
## You drew chance card 2 and today is your lucky day:  Advance to Illinois Ave.
## End at: Illinois Avenue
## Address Number 25
## Start at: Illinois Avenue
## Address Number 25
## You rolled a 9 and landed on Community Chest
## You drew community card 4 and today is your lucky day:  Doctor's fees Pay $50
## End at: Community Chest
## Address Number 34
## Start at: Community Chest
## Address Number 34
## You rolled a 7 and landed on Go
##
## End at: Go
## Address Number 1
## Start at: Go
## Address Number 1
## You rolled a 7 and landed on Chance
## You drew chance card 14 and today is your lucky day:  You have been elected Chairman of the Board
## End at: Chance
## Address Number 8
## Start at: Chance
## Address Number 8
## You rolled a 7 and landed on Virginia Avenue
##
## End at: Virginia Avenue
## Address Number 15
## Start at: Virginia Avenue
## Address Number 15
## You rolled a 7 and landed on Kentucky Avenue
##
## End at: Kentucky Avenue
## Address Number 22
## Start at: Kentucky Avenue
## Address Number 22
## You rolled a 2 and landed on Indiana Avenue
## You rolled doubles and got an extra roll of 7 and then landed at Jail
##
```

```
## You rolled a 4 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 4 and landed on Virginia Avenue
##
## End at: Virginia Avenue
## Address Number 15
## Start at: Virginia Avenue
## Address Number 15
## You rolled a 7 and landed on Kentucky Avenue
##
## End at: Kentucky Avenue
## Address Number 22
## Start at: Kentucky Avenue
## Address Number 22
## You rolled a 9 and landed on Jail
##
## End at: Jail
## Address Number 11
## Start at: Jail
## Address Number 11
## You rolled a 11 and landed on Jail
##
## End at: Jail
## Address Number 11
```

```r
library(dplyr)
```

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

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

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

```r
gameboard <- gameboard %>% arrange(desc(gameboard[[3]]))
gameboard
```

```
##    space             title tally
## 1     11              Jail   286
## 2     21      Free Parking    73
## 3      6   Reading Railroad    68
## 4     18   Community Chest    68
## 5     25   Illinois Avenue    68
## 6     29       Water Works    68
## 7     12  St. Charles Place    67
## 8     22   Kentucky Avenue    67
## 9     28    Ventnor Avenue    67
## 10    15   Virginia Avenue    66
```

```
## 11   19       Tennessee Avenue    65
## 12   23               Chance       65
## 13   33 North Carolina Avenue      64
## 14   26        B & O Railroad      63
## 15    1                  Go        61
## 16   16 Pennsylvania Railroad      61
## 17   37               Chance       61
## 18   14         States Avenue      59
## 19   24        Indiana Avenue      59
## 20   40            Boardwalk       58
## 21    5            Income Tax      54
## 22   34      Community Chest       54
## 23   35   Pennsylvania Avenue      54
## 24    3      Community Chest       53
## 25   17       St. James Place      53
## 26    8               Chance       52
## 27    9        Vermont Avenue      52
## 28   13      Electric Company      52
## 29   32        Pacific Avenue      52
## 30    7       Oriental Avenue      50
## 31   20       New York Avenue      50
## 32   27       Atlantic Avenue      50
## 33   30        Marvin Gardens      50
## 34   10    Connecticut Avenue      49
## 35   36   Short Line Railroad      47
## 36   38            Park Place      45
## 37   39            Luxury Tax      44
## 38    2  Mediterranean Avenue      42
## 39    4         Baltic Avenue      34
## 40   31            Go to jail       0
```

```r
xx <- barplot(gameboard$tally, xlab = '', cex.names = 0.5, col = 1:40, space = 0,width = 0.2)
axis(1, at = xx, labels=gameboard$title, tick=FALSE, las=2, line=-1, cex.axis=.6)
```