## lab8\_stat123

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1. Suppose you have a dataset called "sales" that contains the monthly sales (in thousands of dollars) for a company over the past year. You want to estimate the median monthly sales and its standard error using bootstrapping

```
sales<-read.csv("/Users/itagakikouki/stat123/lab8/sales.csv")</pre>
dim(sales)
## [1] 109
             3
#med<-median(sales)</pre>
#n = sample size
#choose number randomly and assign to the data list
boostrap<- function(data,n){</pre>
  index<- sample(1:length(data),n, replace = TRUE)</pre>
  #output is data[1],data[34] etc
  return(data[index])
}
#choose 1000 population and choose 30 samples from each of the population
n boostrap <- 1000
n<- 30
boot_sample<-replicate(n_boostrap,boostrap(sales$sales,n), simplify = FALSE)</pre>
boot median<-sapply(boot sample, median)</pre>
se<-sd(boot_median)</pre>
boot median
##
      [1] 49.64291 46.74068 51.81303 53.72547 49.56051 51.26571 49.61198
48.61109
##
      [9] 49.46530 47.87054 50.12740 51.72615 51.63696 46.96820 52.80471
47.31930
     [17] 50.20981 49.47609 52.15942 52.34630 51.04145 51.96052 51.41330
49.56051
     [25] 47.58804 49.56051 51.52579 49.36880 46.89498 51.61913 47.87054
##
54.00771
##
     [33] 49.08040 51.17268 49.26267 49.47609 46.94037 50.13819 49.54771
47.72695
     [41] 49.46354 52.87878 56.44377 49.64291 51.26571 51.10683 47.92083
50.88429
##
     [49] 53.19752 45.21157 50.61756 52.71130 48.12704 47.87054 51.17268
47.58804
     [57] 48.26596 52.34630 50.32827 47.72026 47.92083 50.12229 47.80769
48.99598
     [65] 49.63213 50.97181 53.82460 49.88609 49.56051 50.91146 47.80769
```

```
48.26596
     [73] 48.26596 47.71907 50.43209 49.57130 47.69823 52.55101 47.15227
50.41068
     [81] 50.58223 51.41330 53.28828 47.80769 51.98623 55.84085 50.32827
51.17268
     [89] 48.58801 47.87054 49.08040 49.85896 51.43225 45.91839 52.38732
47.11140
     [97] 51.52579 49.93570 47.84544 50.33906 50.03988 47.44728 46.85861
48.60057
## [105] 52.59735 49.54771 49.46530 50.64809 47.63951 52.73862 52.59735
51.29288
## [113] 51.63312 50.61756 47.87054 48.82273 47.80953 51.96052 47.67061
48.79536
## [121] 53.17655 52.10018 49.95198 48.49328 48.54357 50.61756 53.41674
53.79123
## [129] 51.84657 52.47982 48.99598 50.04298 48.21567 47.61565 50.43209
52.05128
## [137] 50.41068 54.66516 53.41584 53.59814 52.53319 50.99898 50.90596
54.10231
## [145] 49.16631 47.10078 49.16281 50.20243 47.80769 45.65230 51.67338
50.90596
## [153] 50.64809 49.97728 50.61756 49.46530 51.98623 47.66411 46.84053
48.58801
## [161] 47.83156 49.56051 49.80408 50.53004 50.99898 50.05764 53.80293
48.54357
## [169] 51.11941 50.05067 51.29288 47.10050 50.53004 49.71453 54.35181
48.45430
## [177] 52.03346 54.41696 49.56051 46.91010 50.43209 54.43690 47.83156
49.08040
   [185] 53.17655 47.80769 48.61109 47.10078 49.85896 49.63213 51.17268
53.08349
## [193] 52.97791 51.96052 48.88870 50.12229 48.26658 51.17268 47.83156
46.89498
## [201] 51.81303 46.00069 53.82460 50.90596 48.88870 52.15942 46.13691
50.68138
## [209] 49.57130 47.34268 46.08322 50.93534 51.98623 44.52719 54.05872
52.87878
## [217] 47.58804 52.47808 50.38136 50.97181 49.46530 53.90205 53.19299
50.58223
## [225] 50.30971 53.08349 53.58531 49.08040 49.54972 49.09119 51.22248
50.12740
## [233] 47.56783 54.03052 51.10853 49.56051 51.10683 47.78191 47.42221
52.27894
## [241] 51.45993 51.19985 51.41330 54.48049 49.47609 49.54771 51.05092
53.90205
## [249] 46.56171 50.41068 45.30277 54.87431 47.44728 48.11961 50.12740
51.38614
## [257] 47.92083 52.28451 50.50370 47.24149 50.96852 49.81447 51.26571
51.87019
## [265] 50.97181 52.10018 52.47808 50.42130 53.66277 44.74247 49.54771
```

```
49.47609
## [273] 46.94648 50.93534 49.54771 49.54771 51.81303 49.81447 50.38136
48.73527
## [281] 53.18262 48.65086 52.92550 47.72695 48.99598 49.64291 50.61756
48.65679
## [289] 50.13819 51.68773 49.64291 51.11941 46.10565 54.07410 49.46530
47.37376
## [297] 52.27337 49.57130 52.05128 50.05067 49.61198 49.16259 47.04632
46.85861
## [305] 49.64291 49.09119 47.87054 51.53373 49.57130 52.56593 47.38031
52.46025
## [313] 47.08379 46.72283 48.65086 53.72547 48.76739 49.64291 53.17655
47.79513
## [321] 51.10853 51.67338 54.25963 50.12740 50.84975 47.85798 47.92083
53.03529
## [329] 46.73247 46.74068 55.84614 44.85684 53.32598 49.71453 47.79513
51.41330
## [337] 53.80293 54.97850 48.48072 54.48049 51.69898 52.28451 50.05067
49.08040
## [345] 50.40492 47.76871 49.71453 50.79569 50.67526 50.04298 49.71926
49.56051
## [353] 51.38614 49.81447 50.47654 52.99273 53.45798 54.37337 53.17655
46.24786
## [361] 48.64601 49.27360 47.58804 47.73162 47.29168 46.99483 50.04012
48.54357
## [369] 50.90596 53.31671 50.61756 49.46530 47.63951 52.36413 49.63213
51.52579
## [377] 47.79513 50.12740 51.41330 52.94333 52.15942 51.19985 53.28828
47.76871
## [385] 46.85672 47.66411 49.56051 51.38614 51.23854 51.81293 50.05764
47.04632
## [393] 53.31671 47.10050 54.48210 51.25906 47.78191 47.04929 46.89498
51.63696
## [401] 48.54357 48.69577 46.99483 51.10683 47.04929 47.36775 50.41068
50.05067
## [409] 45.86934 48.56159 51.43225 50.24386 50.05067 46.89498 50.13819
51.03189
## [417] 51.53161 49.44042 51.19985 47.92083 46.67134 49.88609 50.42130
47.42221
## [425] 53.93139 48.64601 49.47609 47.69264 52.27337 47.80953 51.67338
47.67061
## [433] 49.63213 47.66411 52.53319 49.27360 47.53308 51.41330 50.97181
51.81303
## [441] 50.55251 52.55101 47.44728 47.17241 47.85798 47.71907 50.03988
50.05764
## [449] 50.81843 51.55296 46.63263 47.87054 52.71130 48.53955 49.36880
46.08322
## [457] 50.58223 50.05067 51.98623 49.03156 47.47370 47.92083 49.71453
50.33688
## [465] 52.85257 50.69217 47.67061 51.38614 47.72026 52.97791 49.92481
```

```
52.19094
## [473] 53.27045 51.38614 52.92550 47.72026 50.97181 52.56884 47.42525
48.65086
## [481] 50.12740 50.90596 52.17311 50.29384 48.20311 51.38614 46.08322
52.27337
## [489] 46.80415 48.06078 51.29288 50.20981 51.96052 50.67526 50.38136
50.05764
## [497] 50.99898 49.56051 48.54357 51.14168 48.98923 47.69264 46.63263
## [505] 50.03988 49.56051 48.73527 51.67338 51.07007 51.63312 50.13353
48.92639
## [513] 48.12704 53.97498 46.63263 49.46530 46.99521 47.76871 53.03529
50.81843
## [521] 45.65230 46.94037 49.81447 51.11941 52.53319 48.48072 47.69823
47.18308
## [529] 53.80293 49.80408 51.29288 47.34614 51.67338 47.87054 49.38088
55.16412
## [537] 49.09119 48.88870 48.56159 48.73527 51.38614 46.80415 49.56051
48.61109
## [545] 48.99598 49.56051 48.68499 49.16281 49.35802 49.20165 52.56884
49.56051
## [553] 50.55251 48.48072 48.73527 52.46025 51.52579 51.75546 48.54357
47.28047
## [561] 48.26596 49.88609 49.27360 49.88609 46.40899 52.78424 47.10078
50.90596
## [569] 52.46025 51.45993 52.44551 50.40492 53.59814 47.76871 49.16631
51.32028
## [577] 53.97498 52.47808 51.52579 47.61565 50.05764 52.17311 52.85257
52.27337
   [585] 49.56051 50.58223 52.56884 49.80368 50.61756 53.08349 50.12229
51.25906
## [593] 47.74668 47.31930 53.82460 46.84053 47.31930 53.19752 49.51383
48.93895
## [601] 49.16631 46.24434 50.40492 49.54771 51.26571 49.95546 45.09635
48.61109
## [609] 54.16745 51.17268 51.69898 52.97791 52.53319 47.66411 50.50370
48.48072
## [617] 49.16281 48.63476 51.38614 52.10018 46.19529 48.92639 49.36880
51.93086
## [625] 47.78191 50.91146 51.82001 49.86693 50.13657 52.07106 50.04298
53.93026
## [633] 47.76871 52.27337 49.61198 53.12006 49.63213 49.36880 49.27360
53.69355
## [641] 45.62162 47.69823 53.45798 53.08349 50.81843 46.63263 49.33436
51.98623
## [649] 47.19184 47.72026 46.74068 47.15227 46.85861 51.53373 51.10853
49.09119
## [657] 51.53373 51.67338 48.54357 52.80206 50.88429 50.29384 48.93895
47.87054
## [665] 47.61565 50.64809 47.83156 47.04929 46.84053 49.47609 49.54972
```

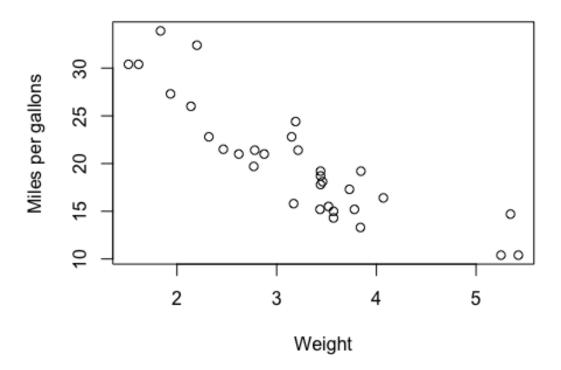
```
48.40465
## [673] 52.36413 44.21950 49.71926 45.21157 50.03988 46.59625 47.92083
47.87054
## [681] 47.33076 54.24491 49.35802 49.95198 52.36413 47.85798 51.82001
49.27360
## [689] 52.85257 50.30971 48.49328 47.10078 53.41674 54.48210 48.68321
47.76871
## [697] 49.88609 47.69264 50.79569 49.80368 47.53308 49.61198 52.53319
51.26571
## [705] 50.45731 49.46530 51.67338 51.67338 50.79569 51.43225 47.04929
47.75924
## [713] 47.47370 52.70559 50.58223 49.27360 47.72985 50.93534 49.46530
49.54771
## [721] 50.42130 48.60057 47.80953 52.36413 53.31782 47.71907 45.81342
52.10018
## [729] 54.54105 50.05067 52.56884 49.35802 48.72841 48.38191 49.16281
49.27360
## [737] 47.15227 48.21567 46.19529 51.41330 49.16631 49.84818 51.10853
48.85032
## [745] 52.03346 46.94037 49.81447 51.26571 49.63213 47.67061 49.57130
50.99898
## [753] 47.85798 52.56884 47.15546 52.27818 52.73862 51.63312 51.19985
47.48626
## [761] 49.80368 50.47654 49.27360 48.15466 51.38614 55.04657 51.19985
50.30971
## [769] 48.21567 52.46025 48.65086 51.63312 50.12740 50.61756 50.30971
52.46025
## [777] 48.20311 53.79123 49.95198 52.34630 51.38614 46.43161 49.63801
50.05764
## [785] 47.42221 47.72026 52.03346 49.64291 48.54357 48.65086 47.85798
51.19985
## [793] 47.58804 46.85861 51.23854 46.66793 51.74707 50.29384 51.84010
50.05067
## [801] 52.42416 52.70559 48.49328 48.72841 49.84818 47.64300 46.10565
51.54944
## [809] 48.15599 49.44042 52.15942 49.54771 48.88870 47.69264 47.74668
50.61756
## [817] 54.30823 50.40492 50.29384 49.22369 46.74068 52.94333 50.05764
47.82025
## [825] 49.36880 46.70431 52.27818 52.45161 47.72026 50.90596 52.05128
51.87019
## [833] 50.05764 47.80953 46.80415 52.27337 51.84657 49.85896 50.55251
49.27360
## [841] 49.71453 51.69898 49.46530 48.17669 51.26571 54.10231 49.80368
50.86536
## [849] 49.80368 48.49901 46.84053 48.45430 49.38088 51.38614 52.13691
53.80293
   [857] 48.73527 48.54357 50.03988 50.64809 49.16259 50.35002 47.67667
48.54140
## [865] 50.58223 49.38581 52.42416 49.35802 46.78693 53.45798 50.90596
```

```
46.85861
## [873] 46.94648 47.10050 48.20311 50.29384 51.51618 52.07106 49.63213
51.41330
## [881] 50.70508 54.66516 49.33436 51.41330 53.09186 52.42578 52.19094
52.34630
## [889] 48.40465 46.59625 51.31324 48.07208 51.55296 46.70431 48.74606
54,37337
## [897] 49.63213 51.87019 52.99273 46.89498 46.75212 49.47609 54.28832
46.24188
## [905] 49.33436 49.46530 54.28832 50.33906 50.93697 48.68499 53.90205
49.61198
## [913] 52.78424 47.67667 53.17655 49.54972 49.81447 47.76871 46.08322
47.82025
## [921] 48.12704 50.30971 52.56543 49.64291 50.13657 48.68499 51.38614
52.46025
## [929] 46.91010 50.97181 52.19094 50.29384 50.61756 47.42525 52.36413
51.52579
## [937] 50.97181 49.61198 47.53655 47.67667 47.44728 50.12229 50.61756
46.94648
## [945] 49.88609 46.66793 50.70508 50.12229 52.42416 46.99483 51.17268
53.66277
## [953] 51.17268 50.33906 47.64300 49.57130 51.32028 48.74606 51.98623
46.56783
## [961] 50.81843 47.39763 46.85861 49.80368 47.82025 47.61565 47.76871
48.35100
## [969] 51.45868 54.91789 49.81447 50.81843 50.45731 48.53955 46.43161
51.53373
## [977] 50.99898 51.23854 49.35802 54.41696 50.05764 50.90596 46.78693
53.64996
## [985] 48.21567 49.44042 46.74068 48.72841 51.29541 49.71453 48.45430
49.44042
## [993] 52.03346 49.54972 51.84010 50.38136 50.29384 48.64601 55.16412
48.75483
se
## [1] 2.156445
```

2. Creating a scatterplot, calculating the correlation coefficient, and computing a confidence interval in R using a "mtcars" dataset in R. (Using cat() to concatenate output together like [cat("95% Confidence Interval:", round(lower\_ci, 2), "-", round(upper\_ci, 2), ""])

```
data(mtcars)
head(mtcars)
##
                    mpg cyl disp hp drat
                                            wt qsec vs am gear carb
## Mazda RX4
                    21.0
                          6 160 110 3.90 2.620 16.46 0
                                                         1
## Mazda RX4 Wag
                    21.0
                          6
                             160 110 3.90 2.875 17.02 0
                                                         1
                                                              4
                                                                   4
## Datsun 710
                             108 93 3.85 2.320 18.61 1
                                                         1
                                                                   1
                    22.8
                          4
                                                              4
## Hornet 4 Drive
                    21.4 6 258 110 3.08 3.215 19.44 1 0
```

```
## Hornet Sportabout 18.7 8 360 175 3.15 3.440 17.02 0 0 3 2
## Valiant 18.1 6 225 105 2.76 3.460 20.22 1 0 3 1
plot(mtcars$wt, mtcars$mpg, xlab = "Weight", ylab = "Miles per gallons")
```



```
corr_coef <- cor(mtcars$wt, mtcars$mpg)
cat("Correlation coefficient: ", round(corr_coef,2), "\n")

## Correlation coefficient: -0.87

n<-length(mtcars$wt)
alpha<-0.05
z_critical<-qt(1-alpha/2, df = n-2)
se <- sqrt(1- corr_coef^2/(n-2))
lower_ci <- corr_coef - z_critical*se
upper_ci <- corr_coef + z_critical*se
cat("95% confidence interval: ", round(lower_ci,2), "-",
round(upper_ci,2),"\n")

## 95% confidence interval: -2.88 - 1.15</pre>
```

3. Load the nba\_player\_data.csv dataset into R and save it to df.

#(a) Copy and paste each of the following three lines into your code to eliminate rows with zeros or NA's.

```
df <- read.csv("/Users/itagakikouki/stat123/lab8/nba player data.csv")</pre>
dim(df)
## [1] 651 29
head(df)
##
                                 Player Pos Age Tm G GS
                                                            MP FG FGA
                                                                         FG.
X3P
## 1
                Steven Adams\\adamsst01
                                          C 26 OKC 63 63 1680 283 478 0.592
1
                 Bam Adebayo\\adebaba01 PF 22 MIA 72 72 2417 440 790 0.557
## 2
2
## 3
           LaMarcus Aldridge\\aldrila01
                                          C 34 SAS 53 53 1754 391 793 0.493
61
## 4
              Kyle Alexander\\alexaky01
                                        C 23 MIA 2 0
                                                            13
                                                                1
                                                                     2 0.500
## 5 Nickeil Alexander-Walker\\alexani01 SG 21 NOP 47 1 591 98 266 0.368
46
## 6
               Grayson Allen\\allengr01 SG 24 MEM 38 0 718 117 251 0.466
57
    X3PA X3P. X2P X2PA X2P. eFG. FT FTA FT. ORB DRB TRB AST STL BLK
##
TOV PF
       3 0.333 282 475 0.594 0.593 117 201 0.582 207 376 583 146 51 67
## 1
94 122
      14 0.143 438 776 0.564 0.558 264 382 0.691 176 559 735 368 82
## 2
                                                                       93
204 182
## 3 157 0.389 330 636 0.519 0.532 158 191 0.827 103 289 392 129
                                                                  36
                                                                       87
74 128
                      2 0.500 0.500
## 4
       0
            NA
                 1
                                      0
                                          0
                                               NA
                                                    2
                                                        1
                                                            3
                                                                    0
                                                                        0
1
## 5 133 0.346 52 133 0.391 0.455 25 37 0.676
                                                    9 75
                                                           84
                                                              89
                                                                  17
                                                                        8
54 57
## 6 141 0.404 60 110 0.545 0.580 39 45 0.867
                                                    8 77
                                                          85
                                                              52
                                                                  10
                                                                        2
33 53
##
     PTS
## 1 684
## 2 1146
## 3 1001
## 4
## 5 267
## 6 330
#Eliminate na
df = na.omit(df)
#eliminate rows with 0
rowsub = apply(df, 1, function(row) all(row !=0 ))
#update dataset with no row with 0
df = df[rowsub,]
#• df = na.omit(df)
#• row sub = apply(df, 1, function(row) all(row !=0 ))
```

#• <i>df</i> df	= df[row sub,]								
## FG.	Player	Pos	Age	Tm	G	GS	MP	FG	FGA
## 1 0.592	Steven Adams\\adamsst01	С	26	OKC	63	63	1680	283	478
## 2 0.557	Bam Adebayo\\adebaba01	PF	22	MIA	72	72	2417	440	790
## 3	LaMarcus Aldridge\\aldrila01	С	34	SAS	53	53	1754	391	793
0.493 ## 5	Nickeil Alexander-Walker\\alexani01	SG	21	NOP	47	1	591	98	266
0.368 ## 6	Grayson Allen\\allengr01	SG	24	MEM	38	0	718	117	251
0.466 ## 7	Jarrett Allen\\allenja01	С	21	BRK	70	64	1852	302	465
0.649 ## 8	Kadeem Allen\\allenka01	PG	27	NYK	10	0	117	19	44
0.432 ## 9	Al-Farouq Aminu\\aminual01	PF	29	ORL	18	2	380	25	86
0.291 ## 10	Justin Anderson\\anderju01	SG	26	BRK	10	1	107	10	38
0.263 ## 11	Kyle Anderson\\anderky01	SF	26	MEM	67	28	1330	157	331
0.474 ## 13	Giannis Antetokounmpo\\antetgi01	PF	25	MIL	63	63	1917	685	1238
0.553 ## 15	Thanasis Antetokounmpo\\antetth01	SF	27	MIL	20	2	129	24	48
0.500 ## 16	Carmelo Anthony\\anthoca01	PF	35	POR	58	58	1902	336	782
0.430 ## 17	OG Anunoby\\anunoog01	SF	22	TOR	69	68	2066	286	566
0.505 ## 18	Ryan Arcidiacono\\arcidry01	PG	25	CHI	58	4	930	90	220
0.409 ## 19	Trevor Ariza\\arizatr01	SF	34	тот	53	21	1493	142	324
0.438 ## 20	Trevor Ariza\\arizatr01	SF	34	SAC	32	0	791	64	165
0.388 ## 21	Trevor Ariza\\arizatr01	SF	34	POR	21	21	702	78	159
0.491 ## 22	D.J. Augustin\\augusdj01	PG	32	ORL	57	13	1420	184	461
0.399 ## 23	Deandre Ayton\\aytonde01	С	21	РНО	38	32	1236	310	568
0.546 ## 24	Dwayne Bacon\\bacondw01	SG	24	СНО	39	11	687	85	244
0.348 ## 25	Marvin Bagley III\\baglema01	С	20	SAC	13	6	334	78	167
0.467 ## 26	Lonzo Ball\\balllo01	PG	22	NOP	63	54	2025	277	687

0.403 ## 27	Mo Bamba\\bambamo01	С	21	ORL	62	0	272	132	286
0.462		C	21	OIL	02	O	070	152	200
## 28	J.J. Barea\\bareajo01	PG	25	DAL	20	6	450	85	207
0.411	J.J. Barea \\Darea Joor	PG	55	DAL	23	O	430	ره	207
	Hannican Bannas \\ hannahada	DE	27	CAC	72	72	2402	265	793
## 29	Harrison Barnes\\barneha02	PF	21	SAC	12	12	2482	202	793
0.460	DJ Dannatt\\hannani01	cc	10	NIVZ	E 6		1704	202	727
## 30	RJ Barrett\\barrerj01	SG	19	INTR	50	55	1704	292	727
0.402 ## 31	Hill Booton \ hontonic 01	C.F.	20	DEN	го	го	1016	222	720
	Will Barton\\bartowi01	SF	29	DEIN	20	50	1916	33Z	738
0.450	Voita Datos Diam\\batoska01	חר כר	2.4	тот	4.4	0	744	100	224
## 32	<pre>Keita Bates-Diop\\bateske01</pre>	PF-SF	24	тот	44	0	/44	100	234
0.427	Voita Datos Diam\\batoska01	DE	2.4	MTNI	27	0	C 1 C	0.7	200
## 33	Keita Bates-Diop\\bateske01	PF	24	MIN	3/	0	646	87	206
0.422	Voita Datos Diam\\batoska01	C.F.	2.4	DEN	7	0	00	12	20
## 34	Keita Bates-Diop\\bateske01	SF	24	DEN	7	0	98	13	28
0.464	Nicolog Potum\\botumoi01	C.F.	21	CHO	22	2	F0F	20	01
## 35	Nicolas Batum\\batumni01	SF	31	CHO	22	3	505	28	81
0.346	Anon Downer \\ havman n01	_	22	DUO	42	20	024	102	201
## 36 0.480	Aron Baynes\\baynear01	С	23	PHO	42	20	934	102	381
## 37	Kent Bazemore\\bazemke01	SF	20	тот	60	21	1688	200	534
0.375	Kerre Bazemore ( Dazemkeor	31	30	101	00	21	1000	200	334
## 38	Kent Bazemore\\bazemke01	SF	30	D∩R	12	21	1111	112	326
0.347	Kerre Bazemore (   Dazemkeor	اد	20	FUK	43	21	1111	113	320
## 39	Kent Bazemore\\bazemke01	SF	30	SAC	25	0	577	87	208
0.418	Kerre Bazemore (   Dazemkeor	اد	50	JAC	23	O	3//	07	200
## 40	Darius Bazley\\bazleda01	PF	19	ОКС	61	q	1130	125	317
0.394	Dai lus Bazicy ((bazicaaoi		1)	ORC	01	,	1130	123	217
## 41	Bradley Beal\\bealbr01	SG	26	MΔS	57	57	2053	593	1303
0.455	brudicy bear ( (bear) or	50	20	WAS	,	,	2033	,,,	1303
## 42	Malik Beasley\\beaslma01	SG	23	TOT	55	14	1209	227	534
0.425	Harri Beastey ((Beastimaet	50							
## 43	Malik Beasley\\beaslma01	SG	23	DEN	41	0	746	117	301
0.389						Ĭ			
## 44	Malik Beasley\\beaslma01	SG	23	MIN	14	14	463	110	233
0.472						_ :	.00		
## 45	Marco Belinelli\\belinma01	SG	33	SAS	57	0	883	123	314
0.392	, , ,								
## 46	Jordan Bell\\belljo01	С	25	TOT	29	0	256	35	67
0.522	, , , , , , , , , , , , , , , , , , ,								
## 47	Jordan Bell\\belljo01	С	25	MIN	27	0	235	32	60
0.533									
## 48	Jordan Bell\\belljo01	С	25	MEM	2	0	21	3	7
0.429	, , , , , , , , , , , , , , , , , , , ,								
## 49	DeAndre' Bembry\\bembrde01	SG	25	ATL	43	4	915	104	228
0.456	<b>,</b>								
## 50	Dragan Bender\\bendedr01	PF-C	22	TOT	16	3	286	41	92
0.446	-								
## 51	Dragan Bender\\bendedr01	С	22	MIL	7	0	91	10	21

0.476 ## 52	Dragan Bender\\bendedr01	PF	22	GSW	9	3	195	31	71
0.437	Dragan bender ( (bendear 01			osn	_				, _
## 53	Dāvis Bertāns\\bertada01	PF	27	WAS	54	4	1583	265	610
0.434	24113 201 04113 ( (201 044401	• •			٠.	•		_00	020
## 54	Patrick Beverley\\beverpa01	PG	31	I AC	51	50	1342	147	341
0.431	ruci ick bever icy (\bever publ		J_			50	13 12	,	311
## 55	Khem Birch\\birchkh01	С	27	ORL	48	24	922	73	143
0.510									
## 56	Goga Bitadze\\bitadgo01	С	20	IND	54	2	471	70	150
0.467									
## 58	Nemanja Bjelica\\bjeline01	PF	31	SAC	72	67	2011	314	653
0.481	3 33								
## 59	<pre>Eric Bledsoe\\bledser01</pre>	PG	30	MIL	61	61	1646	334	703
0.475									
## 60	Bogdan Bogdanović\\bogdabo01	SG	27	SAC	61	28	1766	337	766
0.440									
## 61	Bojan Bogdanović\\bogdabo02	SF	30	UTA	63	63	2083	418	935
0.447									
## 62	Bol Bol\\bolbo01	PF	20	DEN	7	0	87	14	28
0.500									
## 63	Jonah Bolden∖\boldejo01	C	24	TOT	7	0	47	4	11
0.364									
## 64	Jonah Bolden∖\boldejo01	C	24	PHI	4	0	14	2	3
0.667									
## 65	Jonah Bolden∖\boldejo01	C	24	PH0	3	0	33	2	8
0.250									
## 68	Isaac Bonga\\bongais01	SF	20	WAS	66	49	1250	118	234
0.504									
## 69	Devin Booker\\bookede01	SG	23	PH0	70	70	2512	627	1283
0.489									
## 70	Chris Boucher\\bouchch01	C	27	TOR	62	0	819	141	299
0.472									
## 72	<pre>Ky Bowman\\bowmaky01</pre>	PG	22	GSW	45	12	1015	134	321
0.417									
## 73	Avery Bradley\\bradlav01	SG	29	LAL	49	44	1186	170	383
0.444		_				_			100
## 74	Tony Bradley\\bradlto01	С	22	UTA	58	3	663	126	189
0.667	Januari Duranti and Namenti and	DE	22		_	_	0.5	4.0	2.0
## 75	Jarrell Brantley\\brantja01	PF	23	UTA	9	0	96	10	28
0.357	Tanaa Duaadailiia\\kuaadia01	CF	21	NIV	0	^		_	22
## 76	Ignas Brazdeikis\\brazdig01	SF	21	NYK	9	0	53	6	22
0.273	Conour Brown \\ hanses = 201	חר	2.2	CAC	_	0	22	2	4
## 77	Corey Brewer\\breweco01	PF	33	SAC	5	0	33	2	4
0.500 ## 78	Mikal Paidgas\\baidgai01	CE	22	DHU	72	22	2012	247	484
## 78 0.510	Mikal Bridges\\bridgmi01	SF	23	PHU	/3	52	2042	24/	404
## 79	Miles Bridges\\bridgmi02	SF	21	CHU	65	61	1995	210	753
## 79 <b>0.424</b>	LITTE2 DI.TRES //DI.TRE	36	21	CHU	05	04	TOOO	213	/33
## 80	Oshae Brissett\\brissos01	SF	21	TOR	10	0	135	13	36
ππ OU	OSHIGE DI 122601/01.1220201	<b>3</b> F	21	IUN	T)	U	133	13	30

0.361 ## 81	F	Rvan Broe	ekhoff\\br	oekrv01	SF	29	DAL	17	1	180	22	59	
0.373		.,		, , , , , , , , , , , , , , , , , , ,									
## 82	Ma	alcolm Br	rogdon\\br	ogdma01	PG	27	IND	54	54	1666	326	744	
0.438			0	J									
## 83		Dillon E	Brooks\\br	ookdi01	SG	24	MEM	73	73	2112	435	1068	
0.407													
## 84		Bruce	Brown\\br	ownbr01	PG	23	DET	58	43	1634	198	447	
0.443													
## 85		Charlie	Brown\\br	ownch02	SG	22	ATL	10	0	40	6	19	
0.316													
## 86		Jaylen	Brown\\br	ownja02	SG	23	BOS	57	57	1934	427	887	
0.481													
## 88	2	Sterling	Brown\\br	ownst02	SF	24	MIL	52	1	767	95	256	
0.371													
## 89	T	roy Brow	wn Jr.\\br	owntr01	SF	20	WAS	69	22	1782	273	622	
0.439													
## 90		Jalen Br	runson\\br	unsja01	PG	23	DAL	57	16	1022	181	388	
0.466		<b>-</b> 1 -			_	22			2.5	4447	242	440	
## 91		Thomas E	Bryant\\br	yanth01	С	22	WAS	46	36	1147	243	418	
0.581	-	loggio D	.11 ock\\bu	1100001	SG	20	NIVZ	20	10	684	00	224	
## 92 0.402	ŗ	reggie pr	ullock\\bu	ittoi.60t	36	20	NYK	29	19	084	90	224	
## 93		Trov	Burke\\bu	ırkatra1	PG	27	тот	33	1	520	94	209	
0.450		11 Cy	Dui Ke ( \bu	ii Keti OI	1 0	۷,	101	"	_	320	74	203	
## 94		Trev	Burke\\bu	ırketr01	PG	27	PHI	25	0	329	59	127	
0.465		,	2011110 ( (201				–		·	5_5	-		
## 95		Trev	Burke\\bu	ırketr01	PG	27	DAL	8	1	191	35	82	
0.427		,											
## 96		Alec	Burks\\bu	ırksal01	SF-SG	28	TOT	66	19	1754	321	768	
0.418													
## 97		Alec	Burks\\bu	ırksal01	SF	28	GSW	48	18	1390	244	601	
0.406													
## 98		Alec	Burks\\bu	ırksal01	SG	28	PHI	18	1	364	77	167	
0.461													
## 99		Deonte E	Burton\\bu	ırtode02	SF	26	OKC	39	0	356	43	125	
0.344			<b>.</b>										
## 100		Jimmy E	Butler\\bu	ıtleji01	SF	30	MIA	58	58	1959	345	758	
0.455					_	2.4		20	_	244	20	00	
## 101		Bruno Ca	aboclo\\ca	bocbrol	С	24	тот	30	0	244	38	89	
0.427		D		01ء ماء ماء	_	2.4		22	^	100	20	60	
## 102		Bruno Ca	aboclo\\ca	pocprat	С	24	MEM	22	0	192	28	69	
0.406		Pruno Ca	-hoclo\\ca	hachn01	_	24	ПОП	0	α	F 2	10	20	
## 103 0.500		BI UIIO C	aboclo\\ca	וחחרחו, אד	С	24	HOU	ŏ	0	52	10	20	
	Kentavious	Caldwall	l_Pone\\ca	1 dwk a 1	SG	26	1 / 1	60	26	1762	227	507	
## 105 0.467	Relicavious	Caluwell	r-rope ( \ca	TUMKENT	30	20	LAL	UĐ	20	1/02	237	וטכ	
## 106		Vlatko č	Čančar∖∖ca	ncav101	PF	22	DEN	14	0	45	6	15	
0.400		7 TO CHO	cancar ( \ca				DLIN		J	7.7	J	1)	
## 108	De	Marre Ca	arroll\\ca	rrode01	SF-C	33	тот	24	0	290	25	66	
			, , , , ,		_								

0.379 ## 109	DeMarre Carroll\\carrode01	SF	22	SAS	1 5	0	135	9	29
0.310	Demarte Carrott/(Carrodeet	31	23	SAS	13	U	133	9	23
## 110	DeMarre Carroll\\carrode01	С	22	HOU	9	0	155	16	37
	Demarte Carrott/(Carrode01	C	22	поо	9	О	133	10	57
0.432	Joven Conton \ contoio01	DC	24	DUIO	го	2	045	101	242
## 111	Jevon Carter\\carteje01	PG	24	PHO	58	2	945	101	243
0.416	Vince Contant contaction	DE	42	A T I	<b>C</b> O	0	076	107	204
## 112	Vince Carter\\cartevi01	PF	43	ATL	שס	0	876	107	304
0.352 ## 113	Wendell Carter Jr.\\cartewe01	С	20	CUT	42	42	1256	102	343
## 113 0.534	welldell Carter Jr. //cartewebl	C	20	СПІ	45	43	1236	103	343
## 114	Michael Carter-Williams\\cartemi01	SG	20	ORL	15	0	833	111	260
## 114 0.427	Michael Carter-Williams//Cartemiol	30	20	UKL	45	О	033	111	200
## 115	Alex Caruso\\carusal01	PG	25	LAL	<i>6</i> 1	ว	1175	120	291
0.412	Alex Caruso ( Carusaloi	PG	23	LAL	04		11/3	120	231
## 116	Willie Cauley-Stein\\caulewi01	С	26	тот	E /I	20	1097	175	302
## 110 0.579	willie Cauley-Stein(\caulewidi	C	20	101	54	23	1037	1/3	302
## 118	Willie Cauley-Stein\\caulewi01	С	26	DAL	12	2	157	31	45
## 118 0.689	willie Cauley-Stein/\caulewi01	C	20	DAL	13	2	157	21	45
## 120	Wilson Chandler\\chandwi01	PF	22	BRK	2 5	3	734	74	183
0.404	WIISON Chandler (\Chandwigi	FF	32	DIVIN	55	)	734	/4	103
## 121	Joe Chealey\\chealjo01	PG	2/	СНО	4	0	33	0	7
0.000	Joe Chealey (\cheal Jool	10	24	CHO	_	U	,,,	U	,
## 123	Chris Chiozza\\chiozch01	PG	24	тот	28	2	401	55	140
0.393	CIII 13 CII10224 ( CII102CII01	1.0	27	101	20	_	401	,,,	140
## 125	Chris Chiozza\\chiozch01	PG	24	BRK	18	2	278	45	106
0.425	CIII 13 CII10224 ( CII102CII01		2-	DIXIX	10	_	270	73	100
## 126	Marquese Chriss\\chrisma01	PF	22	GSW	59	21	1196	210	385
0.545	quese em 133 ( em 13uo1	• •		05					303
## 127	Gary Clark\\clarkga01	SF-PF	25	TOT	42	5	567	54	133
0.406	ou. y ====	<b>.</b>				_			
## 128	Gary Clark\\clarkga01	PF	25	HOU	18	0	212	23	59
0.390	om, , ==m,((==m,ga==					-			
## 129	Gary Clark\\clarkga01	SF	25	ORL	24	5	355	31	74
0.419	om ) ===((===ga==					_			
## 130	Brandon Clarke\\clarkbr01	PF	23	MEM	58	4	1300	296	479
0.618									
## 131	Jordan Clarkson\\clarkjo01	SG	27	TOT	71	2	1705	394	867
0.454	•								
## 132	Jordan Clarkson\\clarkjo01	SG	27	CLE	29	0	666	144	326
0.442	· · · · · · · · · · · · · · · · · · ·								
## 133	Jordan Clarkson\\clarkjo01	SG	27	UTA	42	2	1039	250	541
0.462	· · · · · · · · · · · · · · · · · · ·								
## 134	Nicolas Claxton\\claxtni01	С	20	BRK	15	0	187	27	48
0.563									
## 135	Chris Clemons\\clemoch01	SG	22	HOU	33	0	291	57	142
0.401									
## 136	Antonius Cleveland\\clevean01	SG	25	DAL	11	0	46	4	14
0.286									
## 137	Amir Coffey\\coffeam01	SG	22	LAC	18	1	159	23	54
	-								

0.426 ## 138	John Collins∖\collijo01	PF	22	ΔΤΙ	<b>4</b> 1	<b>Δ</b> 1	1363	353	605	
0.583	301111 COTTING (COTTI)		22	AIL	71	71	1505		003	
## 139	Zach Collins\\colliza01	PF	22	POR	11	11	290	32	68	
0.471										
## 140	Mike Conley\\conlemi01	PG	32	UTA	47	41	1363	232	567	
0.409	<b>,</b>									
## 141	Pat Connaughton\\connapa01	SG	27	MIL	67	4	1243	137	301	
0.455										
## 142	Quinn Cook\\cookqu01	PG	26	LAL	44	1	508	91	214	
0.425		DE 6	20		70		2427	205	700	
## 146	Robert Covington\\covinro01	PF-C	29	101	70	68	2137	305	723	
0.422	Robert Covington \\ covinge	DE	20	MTN	10	47	1 / 1 1	216	496	
## 147 0.435	Robert Covington\\covinro01	PF	29	MITIM	40	4/	1411	210	496	
## 148	Robert Covington\\covinro01	С	20	HOU	22	21	726	89	227	
0.392	Kobel C Coving con/(covini ooi	C	23	1100	22	21	720	09	221	
## 149	Allen Crabbe\\crabbal01	SG-SF	27	тот	37	1	653	63	177	
0.356	ATTEM CLUBBE ( (CLUBBETOT	JG J1	۷,		٠,	-	033	05	1,,	
## 150	Allen Crabbe\\crabbal01	SG	27	ATL	28	1	522	52	143	
0.364						_		-		
## 151	Allen Crabbe\\crabbal01	SF	27	MIN	9	0	131	11	34	
0.324										
## 152	Torrey Craig\\craigto01	SF	29	DEN	58	27	1072	124	269	
0.461										
## 154	Jae Crowder\\crowdja01	SF-PF	29	TOT	65	53	1875	226	563	
0.401										
## 155	Jae Crowder\\crowdja01	SF	29	MEM	45	45	1322	147	399	
0.368										
## 156	Jae Crowder\\crowdja01	PF	29	MIA	20	8	553	79	164	
0.482										
## 157	Jarrett Culver\\culveja01	SG	20	MIN	63	35	1506	230	569	
0.404										
## 158	Seth Curry\\curryse01	SG	29	DAL	64	25	1576	284	574	
0.495	Ctarles Committee	DC	24	CCLI	_	_	420	2.2	0.2	
## 159	Stephen Curry\\curryst01	PG	31	GSW	5	5	139	33	82	
0.402 ## 160	Troy Daniels\\danietr01	SG	28	тот	17	0	532	72	186	
0.387	Troy Daniels ( (danietro)	30	20	101	4/	V	332	12	180	
## 161	Troy Daniels\\danietr01	SG	28	LAL	<i>1</i> 1	0	456	62	158	
0.392	Troy Daniels ( (daniel of	30	20	LAL	71	U	730	02	150	
## 163	Anthony Davis\\davisan02	PF	26	ΙΔΙ	62	62	2131	551	1096	
0.503	7e			_,	Ŭ-	-		JJ_	2020	
## 165	Terence Davis\\daviste02	SG	22	TOR	72	4	1209	199	436	
0.456	, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_		_			_		
## 166	Dewayne Dedmon\\dedmode01	С	30	TOT	44	18	774	102	255	
0.400	-									
## 167	Dewayne Dedmon\\dedmode01	С	30	SAC	34	10	541	69	171	
0.404										
## 168	Dewayne Dedmon\\dedmode01	С	30	ATL	10	8	233	33	84	

0.393										
0.354 ## 170		Matthew Dallawadaya \ dallama 01	DC	20	CLE	<b>-</b> 7	4	021	<b>C</b> 2	175
## 170		Matthew Dellavedova \ \dellama01	PG	29	CLE	5/	4	821	62	1/5
0.531 ## 171 0.66ck Diallo\\diallch01		D.M. D.D. \\\   1.04	65	20				2246		4040
## 171		DeMar DeRozan\\derozde01	SF	30	SAS	68	68	2316	55/	1049
0.648 ## 172 0.446 ## 173 Gorgui Dieng\\dienggo01										
## 172		Cheick Diallo\\diallch01	С	23	PHO	47	2	479	92	142
0.446 ## 173 0.456  ## 174 0.448 ## 175 0.483 ## 176 0.483 ## 177 0.483 ## 177 0.4855 ## 177 0.495  ## 178 Donte DiVincenzo\\divindo01										
## 173		Hamidou Diallo\\diallha01	SF	21	OKC	46	3	896	132	296
0.456 ## 174		Conqui Dionalldionago01	_	20	тот	63	17	1006	166	264
## 174		gorgar preng//arenggoar	C	30	101	03	1/	1090	100	304
0.448 ## 175		Gongui Dieng\\dienggo01	_	30	мты	16	17	779	12/	277
## 175		doi gui Dieng (\uienggooi	C	50	LITIN	40	1/	778	124	2//
## 176		Conqui Diong\\dionggo01	C	20	мем	17	a	210	42	07
## 176		dought prend//drenddon	C	30	MEM	1/	О	210	42	07
0.415 ## 177 Donte DiVincenzo\\divindo01		Chancan Dinuiddia\\dinuicn01	DC	26	DDV	<i>c</i> 1	40	1004	121	1021
## 177		Spencer Dinwidule//dinwispoi	PG	26	DKK	04	49	1994	424	1021
0.455 ## 178		Double Dillingson-s\\ divinds01		22	MT.	~~	2.4	1520	222	F10
## 178		Donte Divincenzo\\aivindo01	56	23	MTL	66	24	1520	232	210
0.463 ## 179			DC	20	D.A.I.	<i>c</i> 1	<i>c</i> 1	2047	F01	1255
## 179		Luka Doncic\\doncilu01	PG	20	DAL	ρТ	ρŢ	2047	281	1255
0.394 ## 180		Luguanta Dant\\dantluG1	СE	20	OVC	26	20	020	96	210
## 180		Luguentz Dont ( \don'tlue1	31	20	UKC	30	20	020	00	210
0.414 ## 181		Damyoan Dotson\\dotsoda01	sc	25	MVV	10	a	926	120	200
## 181		Damyean Docson (\docsodae1	30	23	INTIK	40	U	830	120	290
0.390 ## 182 PJ Dozier\\doziepj01		Sakau Daumhauya\\daumhsa01	DE	10	DET	20	10	754	ດວ	226
## 182		Sekou Doumbouya (\doumbseet	РГ	19	ו שע	50	19	/54	92	230
0.414 ## 183		DJ Dozien\\dozieni01	cc	22	DEN	20	0	412	6.5	157
## 183		PJ DOZIEM \\ doziepjøi	36	23	DEIN	29	О	412	05	15/
0.441 ## 184		Canan Duarii\\ duari01	DC	22	MT A	F0	2	1663	210	724
## 184		Goran pragic//dragigogi	PG	33	MTA	59	3	1003	319	/24
<pre>0.533 ## 185</pre>		Andrea Discommend\\ discommend	•	26	тот		г.с	1070	410	704
## 185		Andre Drummond\\drumman01	C	26	101	5/	56	18/9	418	/84
<pre>0.530 ## 186</pre>		A. d D	•	26	DET	40	40	1654	260	670
## 186		Andre Drummond\\drumman01	C	26	DET	49	48	1654	360	6/9
<pre>0.552 ## 187     Jared Dudley\\dudleja01</pre>			_	26	C	_	_	225		405
## 187		Andre Drummond\\drumman01	C	26	CLE	8	8	225	58	105
<pre>0.400 ## 188</pre>		- 15 17 11 17 104		~ .			_	244		
## 188		Jared Dudley\\dudleja01	PF	34	LAL	45	1	364	24	60
<pre>0.444 ## 189</pre>										
<pre>## 189</pre>		Kris Dunn\\dunnkr01	PG	25	CHI	51	32	1269	152	342
<pre>0.328 ## 191</pre>										
<pre>## 191</pre>		Carsen Edwards\\edwarca01	SG	21	BOS	37	0	351	42	128
<pre>0.351 ## 192</pre>										
## 192		Wayne Ellington\\ellinwa01	SG	32	NYK	36	1	558	61	174
0.477 ## 193										
## 193 James Ennis\\ennisja01 SF-SG 29 TOT 69 18 1265 160 359 0.446		Joel Embiid\\embiijo01	C	25	PHI	51	51	1506	382	801
0.446										
		James Ennis\\ennisja01	SF-SG	29	TOT	69	18	1265	160	359
## 194 James Ennis\\ennisja01 SF 29 PHI 49 0 776 100 226										
	## 194	James Ennis\\ennisja01	SF	29	PHI	49	0	776	100	226

0.442 ## 195	James Ennis\\ennisja01	SG	29	ORL	20	12	489	60	133
0.451	James Linits ( Cinits Jaor	20	2)	OIL	20	10	707	00	133
## 196	Drew Eubanks\\eubandr01	С	22	SAS	22	3	272	43	67
0.642									
## 197	Jacob Evans\\evansja02	SG	22	TOT	29	1	418	45	134
0.336	•								
## 198	Jacob Evans∖\evansja02	SG	22	${\sf GSW}$	27	1	414	45	133
0.338									
## 200	Dante Exum\\exumda01	SG	24	TOT	35	1	485	56	119
0.471									
## 201	Dante Exum\\exumda01	SG	24	UTA	11	0	83	10	23
0.435	Danta F		2.4	C1 F	2.4		400	4.0	0.5
## 202	Dante Exum\\exumda01	SG	24	CLE	24	1	402	46	96
0.479 ## 204	Derrick Favors\\favorde01	С	20	NOD	<b>E</b> 1	10	1243	200	339
## 204 0.617	Derrick Favors (\ravordee1	C	20	NOP	JΙ	43	1243	203	333
## 205	Cristiano Felício\\feliccr01	С	27	CHI	22	0	386	34	54
0.630	Cristiano reficio (reficero)	Č	۷,	CIT		Ū	300	34	54
## 206	Terrance Ferguson\\fergute01	SF	21	ОКС	56	38	1257	78	220
0.355									
## 207	Bruno Fernando\\fernabr01	С	21	ATL	56	13	713	103	199
0.518									
## 208	Yogi Ferrell\\ferreyo01	PG	26	SAC	50	0	530	79	188
0.420									
## 209	Dorian Finney-Smith\\finnedo01	PF	26	DAL	71	68	2120	243	522
0.466									
## 210	Bryn Forbes\\forbebr01	SG	26	SAS	63	62	1579	242	581
0.417	5 5	C.F.	27	ODI			2076	424	020
## 211 0.467	Evan Fournier\\fournev01	SF	27	OKL	66	66	2076	434	929
## 212	De'Aaron Fox\\foxde01	PG	22	SVC	<b>E</b> 1	10	1634	201	815
0.480	De Adron Fox (\loxuee1	ru	22	SAC	JΙ	43	1034	331	013
## 213	Melvin Frazier\\frazime01	SG	23	ORL	19	0	126	15	34
0.441	11617111 11 62161 ((11 621111661	50		0.1.2		Ŭ			٠.
## 214	Michael Frazier\\frazimi01	SG	25	HOU	13	0	145	7	29
0.241									
## 215	Tim Frazier\\fraziti01	PG	29	DET	27	11	355	34	94
0.362									
## 216	Markelle Fultz\\fultzma01	PG	21	ORL	72	60	1996	359	772
0.465									
## 217	Wenyen Gabriel\\gabriwe01	PF	22	TOT	30	1	235	21	48
0.438						_		_	4-
## 218	Wenyen Gabriel\\gabriwe01	PF	22	SAC	11	0	61	6	17
0.353	Wanyan Cahnial\\ gahniya@1	DE	22	DOD	10	1	17/	1 5	21
## 219 0.484	Wenyen Gabriel\\gabriwe01	PF	22	POR	19	1	174	15	31
## 221	Danilo Gallinari\\gallida01	PF	31	OKC	62	62	1834	352	817
0.438	Daniero Garrina I / (garrinaer	' '	71	ORC	02	02	1004	550	017
## 222	Langston Galloway\\gallola01	SG	28	DET	66	6	1702	236	542
						_	<b></b>		

0.435 ## 223	Darius Garland\\garlada01	SG	20	CLE	59	59	1824	280	699	
0.401										
## 224	Marc Gasol\\gasolma01	С	35	TOR	44	43	1161	119	279	
0.427 ## 225	Rudy Gay\\gayru01	PF	33	SAS	67	5	1461	266	596	
0.446	, , , , , , , , , , , , , , , , , , ,									
## 226 0.439	Paul George\\georgpa01	SF	29	LAC	48	48	1419	343	782	
## 227	Taj Gibson\\gibsota01	С	34	NYK	62	56	1025	167	286	
0.584	617 \\\ 17   64	_						420	0.54	
## 228 0.554	Harry Giles\\gilesha01	С	21	SAC	46	17	667	139	251	
## 229	Shai Gilgeous-Alexander\\gilgesh01	SG	21	ОКС	70	70	2428	478	1015	
0.471										
## 231 0.400	Brandon Goodwin\\goodwbr01	PG	24	ATL	34	1	430	76	190	
## 232	Aaron Gordon\\gordoaa01	PF	24	ORL	62	62	2017	335	767	
0.437	(, (8, , , , , , , )				_	-				
## 233	Eric Gordon\\gordoer01	SF	31	HOU	36	15	1016	171	463	
0.369 ## 234	Dovonto' Gnaham\\gnahadoG1	PG	24	CHU	62	E 2	2211	260	963	
## 234 0.382	Devonte' Graham\\grahade01	PG	24	СПО	03	55	2211	300	903	
## 235	Treveon Graham\\grahatr01	SF	26	тот	55	20	929	87	242	
0.360										
## 236	Treveon Graham\\grahatr01	SF	26	MIN	33	20	663	62	175	
0.354 ## 237	Treveon Graham\\grahatr01	SF	26	ATL	22	0	266	25	67	
0.373	Treveon dramam ( granaci or	31	20	AIL	22	Ü	200	23	07	
## 238	Jerami Grant\\grantje01	PF	25	DEN	71	24	1892	303	634	
0.478										
## 239	Jerian Grant\\grantje02	SG	27	WAS	6	0	80	10	27	
0.370 ## 241	Danny Green\\greenda02	SG	32	ΙΔΙ	68	68	1687	197	474	
0.416	banny di een ( \gi eendab2	30	22	LAL	00	00	1007	1)/	4/4	
## 242	Draymond Green\\greendr01	PF	29	GSW	43	43	1222	123	316	
0.389										
## 243	JaMychal Green\\greenja01	PF	29	LAC	63	1	1307	151	352	
0.429	James Consultanian		26	DOC	40	_	460	<b>6</b> 3	126	
## 244 0.500	Javonte Green\\greenja02	SG	26	BOS	48	2	468	63	126	
## 245	Jeff Green\\greenje02	PF-C	33	тот	48	4	960	159	344	
0.462	Jerr of cent (tg. centjed2		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•	200		J	
## 246	Jeff Green\\greenje02	PF	33	UTA	30	2	553	75	195	
0.385										
## 247 0.564	Jeff Green\\greenje02	С	33	HOU	18	2	407	84	149	
## 248	Blake Griffin\\griffbl01	PF	30	DET	18	18	512	88	250	
0.352	213/10 5/11/11/18/11/10101		50	2 - 1			712	00	_50	
## 249	Marko Guduric\\gudurma01	SG	24	MEM	44	0	484	62	157	

0.395	Rui Hachimura\\hachiru01	PF	21	LIAC	40	40	1444	254	E 4 E	
## 251 0.466	Kui Haciiimura//naciiiruoi	PF	21	WAS	40	40	1444	254	545	
## 252	Devon Hall\\hallde01	PG	24	OKC	11	0	81	6	30	
0.200	Devoi Haii\\Haiideei	PG	24	UKC	11	U	91	O	30	
## 256	Dusty Hannahs\\hannadu01	SG	26	MEM	2	0	13	4	9	
0.444	Dusty Haimans ( \mannaduo1	30	20	PILPI	_	U	13	4	9	
## 257	Tim Hardaway Jr.\\hardati02	SG	27	DΔΙ	71	58	2091	384	884	
0.434	Tim Tidi daway 51 . ( (Tidi dacioz	50	_,	DAL	<i>,</i>	50	2071	<b>5</b> 0-	00-	
## 258	James Harden\\hardeja01	SG	30	HOU	68	68	2483	672	1514	
0.444	James Har den ( Har de jaoi	50	50		00	00	2103	0,2	131.	
## 259	Maurice Harkless\\harklma01	PF-SF	26	TOT	62	48	1427	142	283	
0.502					-					
## 260	Maurice Harkless\\harklma01	PF	26	LAC	50	38	1141	112	217	
0.516										
## 261	Maurice Harkless\\harklma01	SF	26	NYK	12	10	286	30	66	
0.455										
## 263	Montrezl Harrell\\harremo01	С	26	LAC	63	2	1749	471	812	
0.580										
## 264	Gary Harris\\harriga01	SG	25	DEN	56	55	1780	218	519	
0.420	-									
## 265	Joe Harris\\harrijo01	SF	28	BRK	69	69	2123	381	784	
0.486										
## 266	Tobias Harris\\harrito02	PF	27	PHI	72	72	2469	553	1173	
0.471										
## 267	Shaquille Harrison\\harrish01	SG	26	CHI	43	10	484	77	165	
0.467										
## 268	Josh Hart\\hartjo01	SF	24	NOP	65	16	1755	225	532	
0.423										
## 269	Isaiah Hartenstein\\harteis01	C	21	HOU	23	2	266	44	67	
0.657					_	_		_		
## 270	Udonis Haslem\\hasleud01	С	39	MIA	4	1	44	4	11	
0.364							4000		0.50	
## 271	Jaxson Hayes\\hayesja02	С	19	NOP	64	14	1080	1/4	259	
0.672	6   11   11   11	65	20	<b>DOC</b>			4740	250	700	
## 272	Gordon Hayward\\haywago01	SF	29	ROZ	52	52	1740	350	700	
0.500 ## 273	John Honson \ honsoic 01	_	20	тот	10	0	600	ΩE	171	
0.556	John Henson\\hensojo01	С	29	101	40	8	600	95	1/1	
## 274	John Henson\\hensojo01	С	20	CLE	20	2	412	61	120	
0.508	Joill Helison (Heliso Joet	C	29	CLE	29	2	412	01	120	
## 275	John Henson\\hensojo01	С	20	DET	11	6	188	34	51	
0.667	John Henson (Henso) 001	C	23	DEI	11	O	100	54	31	
## 276	Dewan Hernandez\\hernade01	С	23	TOR	6	0	28	5	14	
0.357	Dewait Her Handez ( \Her Hadeo1	C	23	TON	U	U	20	,	14	
## 277	Juan Hernangómez\\hernaju01	PF	24	тот	48	14	833	100	247	
0.405	Jaan Her Hangomez ( (Her Hajuot		7		.0		000	100	,	
## 278	Juan Hernangómez\\hernaju01	PF	24	DEN	34	a	422	38	110	
0.345	July Her Hangomez ( (Her Hajuot			2	-	J		50		
## 279	Juan Hernangómez\\hernaju01	PF	24	MIN	14	14	411	62	137	
=, =	,	•							,	

0.453	Hilly Honnangémez \ honnaui 01	С	25	СНО	21	α	275	74	120	
## 280 0.532	Willy Hernangómez\\hernawi01	C	25	СПО	эт	0	375	/4	139	
## 281	Tyler Herro\\herroty01	SG	20	MIA	55	8	1508	270	631	
0.428	Tyler Herro ( (Herroeyol	50	20	1117	,,,	Ü	1300	2,0	031	
## 283	Mario Hezonja\\hezonma01	PF	24	POR	53	4	871	92	218	
0.422	J					-				
## 284	Buddy Hield\\hieldbu01	SG	27	SAC	72	44	2216	498	1162	
0.429	·									
## 285	George Hill\\hillge01	PG	33	MIL	59	2	1271	194	376	
0.516										
## 286	Solomon Hill\\hillso01	PF	28	TOT	59	4	1088	110	278	
0.396										
## 287	Solomon Hill\\hillso01	PF	28	MEM	48	3	901	96	233	
0.412	6.1						40=			
## 288	Solomon Hill\\hillso01	PF	28	MIA	11	1	187	14	45	
0.311	Jaylan Haand\\haandia01	DE	20	DOD	12	α	102	1 5	2.2	
## 289 0.469	Jaylen Hoard\\hoardja01	PF	20	POR	13	0	103	15	32	
## 290	Aaron Holiday\\holidaa01	PG	23	TND	66	33	1617	223	563	
0.414	Adi Oli Holludy (Holluddol	7 0	23	TIND	00	))	1017	233	505	
## 291	Jrue Holiday\\holidjr01	SG	29	NOP	61	61	2117	458	1006	
0.455	o. ac				-	-				
## 292	Justin Holiday\\holidju01	SF	30	IND	73	6	1826	208	486	
0.428	,									
## 293	Rondae Hollis-Jefferson\\holliro01	PF	25	TOR	60	6	1122	155	329	
0.471										
## 295	Rodney Hood\\hoodro01	SF	27	POR	21	21	619	87	172	
0.506										
## 296	Al Horford\\horfoal01	С	33	PHI	67	61	2025	319	709	
0.450					_					
## 297	Talen Horton-Tucker\\hortota01	SG	19	LAL	6	1	81	14	30	
0.467	Danual Hausa\\ hausada01	СE	26	ПОП	<b>C</b> 2	гэ	1012	220	F20	
## 298 0.427	Danuel House\\houseda01	SF	26	ноо	63	52	1913	230	539	
## 299	Dwight Howard\\howardw01	С	3/1	LAL	69	2	1306	202	277	
0.729	Dwight howard ( \howardwoi	C	J <del>-1</del>	LAL	0,5	_	1300	202	2//	
## 301	Kevin Huerter\\huertke01	SG	21	ATL	56	48	1760	252	610	
0.413	Mevan haer eer ( (maer encoa	50		,	50		-,00		020	
## 302	De'Andre Hunter\\huntede01	SF	22	ATL	63	62	2018	280	683	
0.410	• •									
## 303	Chandler Hutchison\\hutchch01	SF	23	CHI	28	10	527	80	175	
0.457										
## 304	Serge Ibaka\\ibakase01	С	30	TOR	55	27	1485	343	670	
0.512										
## 305	Andre Iguodala\\iguodan01	SF	36	MIA	21	0	418	38	88	
0.432										
## 306	Ersan İlyasova\\ilyaser01	PF	32	MIL	63	8	986	146	313	
0.466 ## 307	Joe Ingles\\inglejo01	PF	22		7.	4 -	2137	245	553	

0.445 ## 308	Brandon Ingram\\ingrabr01	. PF	22 N	OP 62	62	2104	507	1096	
0.463	Di dildon Tilgi diii ( \Tilgi doi 01		22 IV	01 02	02	210-	507	1000	
## 309	Kyrie Irving\\irvinky01	. PG	27 RI	RK 20	วด	658	199	416	
0.478	Kyric ir ving ( (ir vinky )		27 0	IXIX 20	20	050	100	410	
## 310	Jonathan Isaac\\isaacjo01	. PF	22 0	RL 34	32	980	156	332	
0.470	Johathan Isaac ( (Isaac Joos		22 0	NE 54	72	300	130	332	
## 311	Wesley Iwundu\\iwundwe01	. SF	25 0	RL 52	21	953	97	233	
0.416									
## 312	Frank Jackson\\jacksfr01	. PG	21 N	OP 59	2	797	134	331	
0.405									
## 313	Jaren Jackson Jr.\\jacksja02	. c	20 M	EM 57	57	1622	353	753	
0.469									
## 314	Josh Jackson\\jacksjo02	SF	22 M	EM 22	0	381	70	159	
0.440									
## 315	Justin Jackson\\jacksju01	. PF	24 D	AL 65	3	1045	135	341	
0.396									
## 316	Reggie Jackson\\jacksre01	. SG-PG	29 T	OT 31	16	743	134	326	
0.411									
## 317	Reggie Jackson\\jacksre01	. PG	29 D	ET 14	10	381	76	198	
0.384									
## 318	Reggie Jackson\\jacksre01	. SG	29 L	AC 17	6	362	58	128	
0.453									
## 319	Justin James\\jamesju01	. SF	23 S	AC 36	0	232	35	84	
0.417									
## 320	LeBron James\\jamesle01	. PG	35 L	AL 67	67	2316	643	1303	
0.493									
## 322	DaQuan Jeffries\\jeffrda01	. SG	22 S	AC 13	0	141	20	40	
0.500	\				_	200		445	
## 323	Ty Jerome\\jeromty01	. SG	22 PI	HO 31	0	328	38	113	
0.336	Ali labaran\\iabara		22 1	ND 17	4	110	12	20	
## 324	Alize Johnson\\johnsal02	. PF	23 II	ND 17	1	118	12	29	
0.414 ## 325	B.J. Johnson\\johnsbj01	CE	24 0	DI 10	0	02	9	32	
0.281	B.J. Johnson//Johnsble	. SF	24 0	RL 10	0	83	9	32	
## 326	Cameron Johnson\\johnsca02	. PF	23 DI	HO 57	۵	1255	176	405	
0.435	Cameron Johnson ( ) Johns Caez	. гг	23 FI	NO 37	9	1233	1/0	403	
## 327	James Johnson\\johnsja01	. PF-C	32 T	OT 32	1	619	103	215	
0.479	James Johnson ( Johns Jaos		<i>J</i> 2 1	01 32	_	010	103	213	
## 328	James Johnson\\johnsja01	. PF	32 M	IA 18	0	281	39	87	
0.448	5ames 56mis6m ( (56mis5a6)		J	_,, _0			33	0,	
## 329	James Johnson\\johnsja01	. c	32 M	IN 14	1	338	64	128	
0.500			<u> </u>		_		•		
## 330	Keldon Johnson\\johnske04	SF.	20 S	AS 17	1	301	53	89	
0.596					_		_		
## 331	Stanley Johnson\\johnsst04	. PF	23 T	OR 25	0	150	22	59	
0.373	, .,								
## 332	Tyler Johnson\\johnsty01	PG-SG	27 T	OT 39	7	709	97	250	
0.388									
## 333	Tyler Johnson\\johnsty01	. PG	27 PI	HO 31	3	515	65	171	

0.380 ## 334	Tyler Johnson\\johnsty01	SG	27	BRK	8	4	194	32	79	
0.405	Tyler Johnson ( Johnseyot	20	۷,	DIXIX	0	_	174	22	75	
## 335	Nikola Jokić\\jokicni01	С	24	DEN	73	73	2336	565	1071	
0.528	WIROID SORIE ( ( JORIEII OI		27	DLIN	, ,	, ,	2330	505	1071	
## 336	Damian Jones\\jonesda03	С	24	ATL	55	27	887	121	178	
0.680	Damitan Sones ( (Jonesados		27	A12	,,	_,	007	121	170	
## 337	Derrick Jones Jr.\\jonesde02	SF	22	MIA	59	16	1375	184	349	
0.527		٠.			-				J	
## 338	Tyus Jones\\jonesty01	PG	23	MEM	65	6	1232	197	429	
0.459	,									
## 340	Cory Joseph\\josepco01	PG	28	SAC	72	26	1759	171	412	
0.415	, , , , ,									
## 341	Mfiondu Kabengele\\kabenmf01	C	22	LAC	12	0	64	14	32	
0.438										
## 342	Frank Kaminsky\\kaminfr01	C	26	PH0	39	13	777	138	307	
0.450										
## 343	Enes Kanter\\kanteen01	C	27	BOS	58	7	983	199	348	
0.572										
## 344	Luke Kennard\\kennalu01	SG	23	DET	28	25	922	151	342	
0.442	Michael Kidd Cilebaiet\\kiddemi01	DE	26	тот	25	0	201	22		
## 346 0.333	Michael Kidd-Gilchrist\\kiddgmi01	PF	26	TOT	25	0	281	22	66	
## 347	Michael Kidd-Gilchrist\\kiddgmi01	PF	26	СНО	12	0	160	18	53	
0.340	Michael Kida-diichi ise/\kidagiiioi		20	CHO	12	U	100	10	,,,	
## 348	Michael Kidd-Gilchrist\\kiddgmi01	PF	26	DAL	13	0	121	4	13	
0.308						·		-		
## 349	Louis King\\kinglo02	SF	20	DET	10	0	62	8	21	
0.381										
## 350	Maxi Kleber\\klebima01	PF	28	DAL	74	21	1890	237	514	
0.461										
## 351	Brandon Knight\\knighbr03	SG-PG	28	TOT	25	3	462	59	167	
0.353										
## 352	Brandon Knight\\knighbr03	SG	28	CLE	16	0	241	28	86	
0.326					_	_				
## 353	Brandon Knight\\knighbr03	PG	28	DET	9	3	221	31	81	
0.383	Varia Vary \\	C.F.	20	NIVZIZ	<b>с</b> г	1	11.00	111	401	
## 354 0.359	Kevin Knox\\knoxke01	SF	20	NYK	65	4	1166	144	401	
## 355	John Konchar\\konchjo01	SG	23	MEM	10	0	181	24	37	
0.649	John Konenar ( Konen Joor	30	23	FILIT	ב	U	101	24	57	
## 356	Furkan Korkmaz\\korkmfu01	SG	22	PHT	72	12	1559	242	563	
0.430	1 41 Karr Kor Kiid2 / (Kor Kiir 401	30			′-		1333		303	
## 357	Luke Kornet\\kornelu01	С	24	CHI	36	14	559	82	187	
0.439										
## 358	Kyle Korver\\korveky01	SF	38	MIL	58	1	960	126	293	
0.430	•									
## 359	Rodions Kurucs\\kurucro01	PF	21	BRK	47	9	684	79	177	
0.446										
## 360	Kyle Kuzma\\kuzmaky01	PF	24	LAL	61	9	1526	291	668	

0.436 ## 361	Skal Labissière\\labissk01	С	23	POR	33	1	567	81	147	
0.551	3Kd1				,,,	_	307	0_	,	
## 362	Jeremy Lamb\\lambje01	SG	27	IND	46	42	1291	216	479	
0.451	,									
## 363	Romeo Langford\\langfro01	SG	20	BOS	32	2	370	28	80	
0.350										
## 364	Zach LaVine\\lavinza01	SG	24	CHI	60	60	2085	539	1199	
0.450										
## 365	Vic Law\\lawvi01	PF	24	ORL	8	0	62	6	18	
0.333	7	65	25			_	-0-	0.4	470	
## 366	Jake Layman∖\laymaja01	SF	25	MIN	23	2	505	81	179	
0.453	T ]	DE	22	IND	20	1	222	26	96	
## 367 0.419	T.J. Leaf\\leaftj01	PF	22	TND	20	1	222	36	86	
## 368	Jalen Lecque\\lecquja01	SG	19	РНО	5	0	32	4	10	
0.400	Jaich Leeque ((Leequjuoi	50	1)	1110	,	U	72	_	10	
## 369	Courtney Lee\\leeco01	SG	34	DAL	24	9	345	40	82	
0.488	,,					_			-	
## 370	Damion Lee\\leeda03	SG	27	GSW	49	36	1423	213	511	
0.417										
## 371	Alex Len\\lenal01	C	26	TOT	55	12	970	177	319	
0.555										
## 372	Alex Len\\lenal01	C	26	ATL	40	9	745	142	260	
0.546		_								
## 373	Alex Len\\lenal01	С	26	SAC	15	3	225	35	59	
0.593	(/	C.E.	20				1040	F22	1122	
## 374 0.470	Kawhi Leonard∖\leonaka01	SF	28	LAC	5/	5/	1848	532	1133	
## 375	Meyers Leonard\\leoname01	С	27	мтл	51	10	1034	110	234	
0.509	rieyer 3 Leonar d ( Leonameor	C	۷,	HITA	71	49	1034	119	234	
## 376	Caris LeVert\\leverca01	SG	25	BRK	45	31	1330	311	732	
0.425	Ca. 25 2010. 0 ( (2010. 0 a)					-				
## 377	Damian Lillard\\lillada01	PG	29	POR	66	66	2474	624	1349	
0.463										
## 378	Nassir Little\\littlna01	PF	19	POR	48	5	573	65	151	
0.430										
## 379	Kevon Looney\\looneke01	C	23	GSW	20	4	262	29	79	
0.367		_								
## 380	Brook Lopez\\lopezbr01	С	31	MIL	68	67	1817	292	671	
0.435	Dahia   ana-\\ ]ana-na01	6	24	мті		_	0.50	1 4 7	200	
## 381 0.492	Robin Lopez\\lopezro01	С	31	MIL	66	5	958	14/	299	
## 382	Kevin Love\\loveke01	PF	21	CLE	56	56	1780	327	727	
0.450	KEATH FOAE / /TOAEKEST	FI	21	CLL	50	50	1700	327	121	
## 383	<pre>Kyle Lowry\\lowryky01</pre>	PG	33	TOR	58	58	2098	334	803	
0.416		. 0			55	23	_555		303	
## 384	Timothé Luwawu-Cabarrot\\luwawti01	SF	24	BRK	47	2	853	117	269	
0.435	• •									
## 385	Trey Lyles\\lylestr01	PF	24	SAS	63	53	1271	153	343	

0.446 ## 388	Josh Magette\\magetjo01	PG	30	ORL	8	0	38	5	15
0.333	Josh Magette ( \maget Joot	1 0	50	OIL	0	U	56	,	13
## 389	Ian Mahinmi\\mahinia01	С	22	WAS	20	25	909	104	210
	Tall Malitimit / (malitimaet	C	23	WAS	30	33	868	104	210
0.495	Then Maken) \ makenth 01	_	22	DET	<b>C</b> O	11	776	0.2	102
## 390	Thon Maker\\makerth01	С	22	DET	99	14	776	93	193
0.482	Tananaa Mann\\mannta01	CE	22		11	_	362	27	70
## 391	Terance Mann\\mannte01	SF	23	LAC	41	6	302	37	79
0.468	Pohan Manjanović\\manjaho@1	_	21	DAI	11	_	422	121	211
## 392	Boban Marjanović\\marjabo01	С	21	DAL	44	5	422	121	211
0.573	Lauri Manlilianan\\ manlilia a	DE	22	CUT	<b>-</b> 0		1400	254	F01
## 393	Lauri Markkanen\\markkla01	PF	22	CHI	50	50	1492	251	591
0.425	Calab Mantin\\ mantina	C F	24	CUO	10	4	247	27	0.4
## 394	Caleb Martin\\martica02	SF	24	СНО	ΤQ	1	317	37	84
0.440	Cody Montin\\ montino	C F	24	CUO	40	_	003	00	207
## 395	Cody Martin\\martico01	SF	24	CHO	48	3	903	89	207
0.430	Janamiah Mantin\\mantii-02	DC	22	DDI	_	_	00	2.4	<b>F</b> 2
## 396	Jeremiah Martin\\martije02	PG	23	BRK	9	0	99	24	53
0.453	Valam Mantin\\mantilo02	C F	24	A4T N I	24	4	405	71	101
## 397	Kelan Martin\\martike03	SF	24	MIN	31	4	495	71	181
0.392	Frank Mason III\\masonfr01	DC	25	мті	0	0	110	2.2	Г1
## 398	FI. alik Masoli III//Masoliti.01	PG	25	MIL	9	0	118	23	51
0.451	Cannican Mathaus \ mathaga	5.0	22	WAS	10	0	227	24	56
## 399 0.429	Garrison Mathews\\mathega01	SG	23	WAS	то	О	221	24	30
## 400	Wesley Matthews\\matthwe02	SG	22	мті	67	67	1635	167	422
0.396	wesley Matthews \ \matthweez	30	23	MIL	07	07	1033	107	422
## 401	Luc Mbah a Moute\\mbahalu01	PF	22	HOU	3	0	25	2	5
0.400	Luc Mbail a Moute ( \limbailatue1	FF	23	поо	5	U	23	2	3
## 402	Patrick McCaw\\mccawpa01	SF	24	TOR	27	12	908	67	162
0.414	rati ick McCaw (\mcCawpaoi	اد	24	TOIL	٦,	12	300	07	102
## 403	CJ McCollum\\mccolcj01	SG	28	D∩R	70	70	2556	611	1356
0.451	es riccorrain ( \meeore jor	30	20	1 010	, 0	70	2330	011	1330
## 404	T.J. McConnell\\mccontj01	PG	27	IND	71	3	1326	212	411
0.516	1.5. ricconneil (meconejoi		۷,	TIVD	<i>,</i>	,	1320	212	711
## 405	Jalen McDaniels\\mcdanja01	SF	22	СНО	16	0	293	33	70
0.471	Jaien Hebaniets ( \medanjaor	٥.		CITO	10	Ü	200	,,,	70
## 406	Doug McDermott\\mcderdo01	PF	28	IND	69	a	1372	267	547
0.488	bodg Hebel motel ( (medel door	• •		1110	0.5			_0,	3.7
## 407	JaVale McGee\\mcgeeja01	С	32	ΙΔΙ	68	68	1130	195	306
0.637	sarate nedec ( (megeejaot	·		_,	•	•••			300
## 408	Rodney McGruder\\mcgruro01	SG	28	LAC	56	4	871	72	181
0.398	mouncy free due: ( \meg. ar ooz	50		_,	-	•	0, -	<i>′</i> –	
## 409	Alfonzo McKinnie\\mckinal01	SF	27	CLE	40	1	593	73	171
0.427		<u> </u>			. •	_			
## 410	Jordan McLaughlin\\mclaujo01	PG	23	MIN	30	2	590	87	178
0.489		. •				_		J.	•
## 411	Ben McLemore\\mclembe01	SF	26	HOU	71	23	1619	242	545
0.444	20		_0		_				
## 412	Jordan McRae\\mcraejo01	SG	28	TOT	37	4	784	149	366
·· · · · <del></del>	11. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			. • .					

0.407 ## 413	Jordan McRae\\mcraejo01	SG	28	WAS	29	4	654	122	317
0.420	Joi dan Herae ( \mer ae joot	30	20	WAS	2)	_	054	100	217
## 414	Jordan McRae\\mcraejo01	SG	28	DEN	4	0	32	2	6
0.333	Joi dan Pickae ( \mici ae joot	30	20	DLIN	-	U	32		U
## 415	Jordan McRae\\mcraejo01	SG	28	DET	4	0	98	14	43
0.326	Joi dan Pickae ( liici ae joot	30	20	DLI	4	U	96	14	43
## 416	Nicolò Melli\\mellini01	С	29	NOP	60	Ω	1042	136	323
0.421	NICOIO FICILI ( MICILIMIOI	C	2)	IVOI	00	U	1042	130	323
## 417	De'Anthony Melton\\meltode01	PG	21	MEM	60	R	1167	161	401
0.401	be Alteriory Hereon ( mercodeor		21		00	Ü	1107	101	401
## 418	Chimezie Metu\\metuch01	С	22	SAS	18	0	105	24	42
0.571				5, 15			_05		
## 419	Khris Middleton\\middlkh01	SF	28	мті	62	59	1853	471	947
0.497	MII 13   112412 COII   (III 2441 MIO 2	٥.			Ŭ-			.,_	2.,
## 421	<pre>C.J. Miles\\milescj01</pre>	SF	32	WAS	10	0	161	19	59
0.322		٠.	-			·			-
## 422	Malcolm Miller\\millema01	SF	26	TOR	28	1	162	12	29
0.414									
## 423	Patty Mills\\millspa02	PG	31	SAS	66	1	1485	258	598
0.431	, , , , ,								
## 424	Paul Millsap\\millspa01	PF	34	DEN	51	48	1240	211	438
0.482									
## 425	Shake Milton\\miltosh01	SG	23	PHI	40	24	805	134	277
0.484									
## 426	Donovan Mitchell\\mitchdo01	SG	23	UTA	69	69	2364	602	1342
0.449									
## 428	Adam Mokoka\\mokokad01	SF	21	CHI	11	0	112	12	28
0.429									
## 429	Malik Monk\\monkma01	SG	21	CHO	55	1	1169	212	488
0.434									
## 431	E'Twaun Moore\\mooreet01	SG	30	NOP	56	6	1020	186	437
0.426									
## 432	Ja Morant\\moranja01	PG	20	MEM	67	67	2074	447	937
0.477									
## 433	Juwan Morgan\\morgaju01	PF	22	UTA	21	0	134	15	26
0.577		c=					4004		04.0
## 434	Marcus Morris\\morrima03	SF-PF	30	TOT	62	62	1936	355	810
0.438		6.5	20	<b>N</b> 11 4	4.5	4.0	4207	204	626
## 435	Marcus Morris\\morrima03	SF	30	NYK	43	43	1387	281	636
0.442	Managara Manada\\manadasa	DE	20		10	10	F 40	7.4	174
## 436	Marcus Morris\\morrima03	PF	30	LAC	19	19	549	74	174
0.425	Mankiaff Mannial\mannia	חר	20	TOT	ΕO	17	1107	202	450
## 437	Markieff Morris\\morrima02	PF	30	101	Þδ	Ι/	1187	203	458
0.443 ## 438	Markieff Morris\\morrima02	PF	20	DET	11	16	000	175	389
## 438 0.450	Mat.kTell MOLLT2//MOLLTM905	PF	30	ושט	44	10	988	1/3	202
## 439	Markieff Morris\\morrima02	PF	20	LAL	1/	1	199	28	69
0.406	Markter Fuorities / / IIIOTT III 1802	FF	שכ	LAL	14		199	20	UĐ
## 440	Monte Morris\\morrimo01	PG	2/	DEN	73	12	1636	260	566
ππ <del>11</del> 0	HOUSE HOLLES / / HIGH LINDOT	FU	24	DLIN	, ,	14	1030	200	500

0.459 ## 441	Johnathan Motley\\motlejo01	PF	24	LAC	12	0	41	11	15	
0.733	Sommachan Mocicy (\mocicyout		27	LAC	1)	U	71		13	
## 442	Emmanuel Mudiay\\mudiaem01	PG	22	UTA	<b>5</b> /	2	950	151	327	
0.462	Lillinarider Mudray (\inddraeliler	ru	23	UIA	24		830	1)1	321	
## 443	Mychal Mulder\\muldemy01	SF	25	GSW	7	3	204	26	67	
## 445 0.388	Mychai Muider (\muidemyoi	31	25	GSW	,	)	204	20	67	
## 444	Dejounte Murray\\murrade01	PG	22	CVC	66	E 0	1687	204	637	
## 444 0.462	De Journe Murray (\murraue01	PG	23	SAS	00	56	1007	234	037	
## 445	Jamal Murray\\murraja01	PG	22	DEN	Ε0	Ε0	1904	100	894	
0.456	Jamai Murray ( \murrajaei	ru	22	DLIN	25	ככ	1904	400	094	
## 446	Džanan Musa∖\musadz01	SF	20	BRK	10	0	487	64	172	
0.372	Dzanan Pusa ( \liiusauzet	اد	20	DIVIC	40	U	407	04	1/2	
## 447	Mike Muscala\\muscami01	С	28	ОКС	17	2	572	77	189	
0.407	MIKE MUSCATA / / MUSCAMITOI	C	20	OKC	47		312	,,	109	
## 448	Sviatoslav Mykhailiuk\\mykhasv01	SF	22	DET	56	27	1265	166	405	
0.410	SVIACOSIAV MYKNAITIUK (\myKnasvoi	ار	22	DLI	50	۷,	1205	100	403	
## 449	Abdel Nader\\naderab01	SF	26	ОКС	55	6	867	122	263	
0.468	Abdel Nadel (Madel abol	٥,	20	ORC	,,,	Ü	007	123	203	
## 450	Larry Nance Jr.\\nancela02	PF	27	CLF	56	10	1472	229	431	
0.531	Larry Names 31. (Manestadz	• • •	۷,	CLL	50	10	14,2	227	731	
## 451	Shabazz Napier\\napiesh01	PG	28	TOT	56	32	1344	188	456	
0.412	Shabazz hapier ((hapieshoi				50	_			.50	
## 452	Shabazz Napier\\napiesh01	PG	28	MIN	36	22	856	114	283	
0.403										
## 453	Shabazz Napier\\napiesh01	PG	28	WAS	20	10	488	74	173	
0.428					_					
## 454	Raul Neto\\netora01	PG	27	PHI	54	3	668	101	222	
0.455										
## 455	Malik Newman\\newmama01	SG	22	CLE	1	0	4	0	2	
0.000										
## 456	Georges Niang\\niangge01	PF	26	UTA	66	1	923	141	322	
0.438	0 0									
## 458	Nerlens Noel\\noelne01	C	25	OKC	61	7	1127	184	269	
0.684										
## 459	Zach Norvell\\norveza01	SG	22	TOT	5	0	41	3	12	
0.250										
## 461	Zach Norvell\\norveza01	SG	22	GSW	3	0	36	3	11	
0.273										
## 462	Jaylen Nowell\\nowelja01	SG	20	MIN	15	0	151	19	53	
0.358										
## 463	Frank Ntilikina\\ntilila01	PG	21	NYK	57	26	1187	131	333	
0.393										
## 464	Kendrick Nunn\\nunnke01	PG	24	MIA	67	67	1962	401	914	
0.439										
## 465	Jusuf Nurkić\\nurkiju01	C	25	POR	8	8	253	54	109	
0.495										
## 466	David Nwaba\\nwabada01	SF	27	BRK	20	0	268	37	71	
0.521										
## 467	Royce O'Neale\\onealro01	SF	26	UTA	71	62	2049	158	365	

0.433 ## 468	Kyle O'Quinn\\oquinky01	С	29	PHI	29	2	313	42	85	
0.494	Kyre o Quriii ( (oquriik yor	C	2)		2)	_	313	72	0,5	
## 469	Semi Ojeleye\\ojelese01	PF	25	BOS	69	6	1011	80	196	
0.408	Jemi Ojeleye (Ojeleseol	• • •	23	505	0,5	U	1011	00	100	
## 470	Jahlil Okafor\\okafoja01	С	24	NOP	30	9	467	101	162	
0.623	Juniii Okaror ( (okarojaoi	C	2-	1401	50		407	101	102	
## 471	Elie Okobo\\okoboel01	PG	22	PHO	55	3	719	72	181	
0.398	((0.0000)	. •				_				
## 472	Josh Okogie∖\okogijo01	SG	21	MIN	62	28	1547	170	398	
0.427	3 33									
## 473	KZ Okpala\\okpalkz01	PF	20	MIA	5	0	26	3	5	
0.600	·									
## 474	<pre>Victor Oladipo\\oladivi01</pre>	SG	27	IND	19	16	528	97	246	
0.394										
## 475	Kelly Olynyk\\olynyke01	C	28	MIA	67	9	1300	184	398	
0.462										
## 476	Miye Oni\\onimi01	SF	22	UTA	10	1	109	12	32	
0.375										
## 477	Cedi Osman\\osmande01	SF	24	CLE	65	65	1910	266	609	
0.437	Vally Oubra In \\aubraka01	c٦	24	DUO	ГС		1022	272	026	
## 478 0.452	Kelly Oubre Jr.\\oubreke01	SF	24	PHU	56	22	1933	3/3	826	
## 479	Tariq Owens\\owensta01	PF	24	PHO	3	0	15	1	5	
0.200	railly Owells (\Owells caol	FI	24	FIIO	ر	U	13		,	
## 480	Jeremy Pargo\\pargoje01	PG	33	GSW	3	0	44	11	22	
0.500	Jei emy Tai go ( (pai go jeo z	. •		05		Ŭ				
## 481	Jabari Parker∖\parkeja01	PF	24	TOT	38	23	917	219	429	
0.510	,									
## 482	Jabari Parker∖\parkeja01	PF	24	ATL	32	23	837	198	393	
0.504	-									
## 483	Jabari Parker∖\parkeja01	PF	24	SAC	6	0	80	21	36	
0.583										
## 485	Eric Paschall\\pascher01	PF	23	GSW	60	26	1654	318	640	
0.497										
## 486	Anžejs Pasečņiks\\pasecan01	С	24	WAS	27	0	437	61	116	
0.526	Dataide Datterson\\ nattensed	DE	20		Ε0	10	776	0.5	222	
## 487 0.408	Patrick Patterson\\pattepa01	PF	30	LAC	59	18	776	95	233	
## 489	Chris Paul\\paulch01	PG	2/	OKC	70	70	2208	121	887	
0.489	CIII 15 Faul (\paulcile)	PG	54	UKC	70	70	2200	454	007	
## 490	Cameron Payne\\payneca01	SG	25	РНО	8	0	183	33	68	
0.485	camer on rayine ( (payine cao)	50	23	1110	U	U	100	,,,	00	
## 491	Elfrid Payton\\paytoel01	PG	25	NYK	45	36	1246	193	440	
0.439	=== = = = = = = = = = = = = = = = = = =	. •					J			
## 492	Gary Payton II\\paytoga02	SF	27	WAS	29	17	432	48	116	
0.414										
## 493	Norvel Pelle\\pelleno01	С	26	PHI	24	0	232	25	48	
0.521										
## 494	Theo Pinson\\pinsoth01	SG	24	BRK	33	0	365	45	155	

0.290 ## 495	Mason Plumlee\\plumlma01	С	29	DEN	61	1	1057	177	288
0.615	riason riamitee ( (piamimaoi	C	23	DLIN	01	_	1037	1//	200
## 497	Vincent Poirier\\poirivi01	С	26	BOS	22	0	130	17	36
0.472	vincent rollier (\poilivior	C	20	003	22	U	150	1,	50
## 498	Shamorie Ponds\\pondssh01	PG	21	TOR	4	0	11	3	5
0.600	Silalior Te Polius (\polius silot	Pu	21	TUK	4	Ø		)	,
## 499	Jordan Poole\\poolejo01	SG	20	CCIII	<b>5</b> 7	1 /	1274	167	502
0.333	Jordan Poole (\poole Jool	30	20	GSW	١,	14	12/4	107	302
## 500	Kevin Porter Jr.\\porteke02	SF	10	CLE	EΩ	2	1162	106	421
0.442	Revill Forcer 31. (\porcereoz	31	19	CLL	שכ	5	1102	100	421
## 501	Michael Porter Jr.\\portemi01	SF	21	DEN		8	903	105	383
	Michael Porter Jr. (\portemiol	31	21	DEIN	55	0	903	190	303
0.509	Otto Donton) \ nontoot01	CE	26	CUT	11	0	221	<b>C</b> 2	140
## 502	Otto Porter\\porteot01	SF	26	CHI	14	9	331	62	140
0.443	Dabby Dantis \\ nantiba01	DE	2.4	NIVIZ	~~	_	1202	265	F00
## 503	Bobby Portis\\portibo01	PF	24	NYK	99	5	1393	265	589
0.450	Waistana Dansintia)\nansilw01	_	2.4	DAI			1014	200	022
## 504	Kristaps Porziņģis\\porzikr01	С	24	DAL	5/	5/	1814	398	932
0.427	Duriant David 11\\ novid 1dv01	_	20	DAI	40	27	1001	110	220
## 505	Dwight Powell\\poweldw01	С	28	DAL	40	3/	1061	146	229
0.638 ## 506	Norman Powell\\powelno01	cc	26	TOD	E 2	26	1479	206	FOR
	Norman Powell(\powelnowl	SG	26	IUK	52	20	14/9	296	598
0.495 ## 507	Taurean Prince\\princta02	PF	25	DDV	<i>-</i> 1	<i>c</i> 1	1857	270	739
0.376	radrean Prince (\princta02	PF	25	DNK	04	01	103/	2/0	739
## 508	Chasson Randle\\randlch01	PG	26	GSW	3	0	40	0	4
0.000	Chasson Randle ( Trandichel	Pu	20	GSW	5	Ø	40	Ø	4
## 509	Julius Randle\\randlju01	PF	25	MVV	61	61	2080	162	1006
0.460	Julius Ranule ( Tranul Juoi	FF	23	INTIN	04	04	2000	403	1000
## 510	Josh Reaves\\reavejo02	SF	22	DAL	4	0	28	3	9
0.333	30311 Neaves ( \1 eave 3002	اد	22	DAL	4	U	20	,	9
## 511	Cam Reddish\\reddica01	SF	20	ΛТΙ	52	3/1	1551	212	554
0.384	Cam Reduish (Teddicaoi	ار	20	AIL	50	J <del>-</del>	1991	213	JJ4
## 512	J.J. Redick\\redicjj01	SG	35	NOP	60	36	1581	286	631
0.453	J.J. Realer ( reale) Joi	30	55	NOI	00	50	1301	200	031
## 513	Naz Reid\\reidna01	С	20	MIN	30	11	495	100	243
0.412	Naz Keta ( ( Ctanaot	C	20	LITIN	50		400	100	243
## 514	Josh Richardson\\richajo01	SG	26	рнт	55	53	1693	278	646
0.430	Josh Krenarason ( (r renajoor	30	20		,,	,,	1000	2,0	0-10
## 515	Austin Rivers\\riverau01	SG	27	HOU	68	4	1594	211	501
0.421	AUSCIII NIVEI S ( (I IVEI UUOI	30	۷,	1100	00		1334		301
## 516	Andre Roberson\\roberan03	SF	28	ОКС	7	0	87	8	29
0.276	Andre Rober 3011 (1 ober ano3	٦,	20	OKC	′	Ü	0,	Ü	23
## 517	Duncan Robinson\\robindu01	SG	25	МΤΔ	73	68	2166	323	687
0.470	Daniedn Nobinson ( (1 obinadoi	30	23	1117	, ,	00	2100	J <b>Z</b> J	007
## 518	Glenn Robinson III\\robingl02	SF	26	TOT	62	52	1786	288	592
0.486	111 ( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	٥.	_0		52	J_	_, 50	_55	J
## 519	Glenn Robinson III\\robingl02	SF	26	GSW	48	48	1516	244	507
0.481	515 NODINGON 111 ( \1 001118102	٥,	20	3311	.0	.0	1010		507
									0-
## 520	Glenn Robinson III\\robingl02	SF	26	PHI	14	4	270	44	85

0.518									
## 521	Jerome Robinson\\robinje01	SG	22	тот	63	6	979	115	310
0.371	301 0 mc 11001113011 ( 1 00111301	30		.01	0,5	Ü	3,3	117	310
## 522	Jerome Robinson\\robinje01	SG	22	LAC	42	1	476	46	136
0.338	30. ome 1.031113011 ( (1.03111301	50		_,	-	_	., 0	.0	
## 523	Jerome Robinson\\robinje01	SG	22	WAS	21	5	503	69	174
0.397	30. ome 1.031113011 ( (1.03111301	50					505	0,5	-, .
## 527	Rajon Rondo\\rondora01	PG	33	LAL	48	3	984	137	328
0.418	3								
## 528	Derrick Rose\\rosede01	PG	31	DET	50	15	1298	369	753
0.490	•								
## 529	Terrence Ross\\rosste01	SG	28	ORL	69	0	1889	341	846
0.403									
## 530	Terry Rozier\\roziete01	PG	25	CHO	63	63	2164	398	941
0.423	·								
## 531	Ricky Rubio\\rubiori01	PG	29	PHO	65	65	2016	287	692
0.415									
## 532	D'Angelo Russell\\russeda01	PG	23	TOT	45	45	1452	360	846
0.426									
## 533	D'Angelo Russell\\russeda01	PG	23	GSW	33	33	1060	273	635
0.430									
## 534	D'Angelo Russell\\russeda01	PG	23	MIN	12	12	392	87	211
0.412									
## 535	Domantas Sabonis\\sabondo01	PF	23	IND	62	62	2159	458	848
0.540					_	_		_	
## 536	Luka Šamanić\\samanlu01	PF	20	SAS	3	1	48	5	16
0.313									
44 537	7-1/ (	<b>D</b> E	26	TND	2.4	4.2	474		445
## 537	JaKarr Sampson\\sampsja02	PF	26	IND	34	12	471	68	115
0.591									
0.591 ## 538	JaKarr Sampson\\sampsja02 Dario Šarić\\saricda01	PF PF					471 1632		115 538
0.591 ## 538 0.476	Dario Šarić\\saricda01	PF	25	РНО	66	51	1632	256	538
0.591 ## 538 0.476 ## 539			25	РНО	66	51		256	
0.591 ## 538 0.476 ## 539 0.430	Dario Šarić\\saricda01 Tomáš Satoranský\\satorto01	PF SG	25 28	PHO CHI	66 65	51 64	1632 1878	256 237	538 551
0.591 ## 538 0.476 ## 539 0.430 ## 540	Dario Šarić\\saricda01	PF	25 28	РНО	66 65	51	1632	256	538
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01	PF SG PF	25 28 22	PHO CHI WAS	66 65 33	51 64 2	1632 1878 368	<ul><li>256</li><li>237</li><li>35</li></ul>	538 551 92
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541	Dario Šarić\\saricda01 Tomáš Satoranský\\satorto01	PF SG	25 28 22	PHO CHI	66 65 33	51 64 2	1632 1878	<ul><li>256</li><li>237</li><li>35</li></ul>	538 551
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01	PF SG PF PG	25 28 22 26	PHO CHI WAS OKC	<ul><li>66</li><li>65</li><li>33</li><li>65</li></ul>	51 64 2 2	1632 1878 368 1999	<ul><li>256</li><li>237</li><li>35</li><li>453</li></ul>	<ul><li>538</li><li>551</li><li>92</li><li>965</li></ul>
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01	PF SG PF	25 28 22 26	PHO CHI WAS OKC	<ul><li>66</li><li>65</li><li>33</li><li>65</li></ul>	51 64 2 2	1632 1878 368	<ul><li>256</li><li>237</li><li>35</li><li>453</li></ul>	538 551 92
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01	PF SG PF PG	25 28 22 26 31	PHO CHI WAS OKC	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li></ul>	51 64 2 2	1632 1878 368 1999 1207	<ul><li>256</li><li>237</li><li>35</li><li>453</li></ul>	<ul><li>538</li><li>551</li><li>92</li><li>965</li></ul>
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01	PF SG PF PG	25 28 22 26 31	PHO CHI WAS OKC PHI	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li></ul>	51 64 2 2 11	1632 1878 368 1999 1207	256 237 35 453 149	<ul><li>538</li><li>551</li><li>92</li><li>965</li><li>350</li></ul>
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01	PF SG PF PG	25 28 22 26 31 35	PHO CHI WAS OKC PHI HOU	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li><li>41</li></ul>	51 64 2 2 11	1632 1878 368 1999 1207	256 237 35 453 149 37	538 551 92 965 350 91
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01	PF SG PF PG PF	25 28 22 26 31 35	PHO CHI WAS OKC PHI HOU	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li><li>41</li></ul>	51 64 2 2 11	1632 1878 368 1999 1207 436	256 237 35 453 149 37	538 551 92 965 350 91
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01	PF SG PF PG PF	25 28 22 26 31 35 21	PHO CHI WAS OKC PHI HOU CLE	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li><li>41</li><li>65</li></ul>	51 64 2 2 11 0	1632 1878 368 1999 1207 436	256 237 35 453 149 37 513	538 551 92 965 350 91
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407 ## 544 0.472	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01  Collin Sexton\\sextoco01  Landry Shamet\\shamela01	PF SG PF PG PF	25 28 22 26 31 35 21	PHO CHI WAS OKC PHI HOU CLE	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li><li>41</li><li>65</li></ul>	51 64 2 2 11 0	1632 1878 368 1999 1207 436 2143	256 237 35 453 149 37 513	538 551 92 965 350 91 1086
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407 ## 544 0.472 ## 545 0.404 ## 546	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01  Collin Sexton\\sextoco01	PF SG PF PG PF	25 28 22 26 31 35 21 22	PHO CHI WAS OKC PHI HOU CLE	<ul><li>66</li><li>65</li><li>33</li><li>65</li><li>68</li><li>41</li><li>65</li></ul>	51 64 2 2 11 0	1632 1878 368 1999 1207 436 2143	256 237 35 453 149 37 513	538 551 92 965 350 91 1086
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407 ## 544 0.472 ## 545 0.404 ## 546 0.250	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01  Collin Sexton\\sextoco01  Landry Shamet\\shamela01  Marial Shayok\\shayoma01	PF SG PF PG SG SG	25 28 22 26 31 35 21 22 24	PHO CHI WAS OKC PHI HOU CLE LAC PHI	66 65 33 65 68 41 65 53 4	51 64 2 2 11 0 65 30 0	1632 1878 368 1999 1207 436 2143 1452 28	256 237 35 453 149 37 513 158	538 551 92 965 350 91 1086 391 12
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407 ## 544 0.472 ## 545 0.404 ## 546 0.250 ## 547	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01  Collin Sexton\\sextoco01  Landry Shamet\\shamela01	PF SG PF PG SG SG	25 28 22 26 31 35 21 22 24	PHO CHI WAS OKC PHI HOU CLE LAC	66 65 33 65 68 41 65 53 4	51 64 2 2 11 0 65 30	1632 1878 368 1999 1207 436 2143 1452	256 237 35 453 149 37 513 158	538 551 92 965 350 91 1086 391
0.591 ## 538 0.476 ## 539 0.430 ## 540 0.380 ## 541 0.469 ## 542 0.426 ## 543 0.407 ## 544 0.472 ## 545 0.404 ## 546 0.250	Dario Šarić\\saricda01  Tomáš Satoranský\\satorto01  Admiral Schofield\\schofad01  Dennis Schröder\\schrode01  Mike Scott\\scottmi01  Thabo Sefolosha\\sefolth01  Collin Sexton\\sextoco01  Landry Shamet\\shamela01  Marial Shayok\\shayoma01	PF SG PF PG SG SG	25 28 22 26 31 35 21 22 24 29	PHO CHI WAS OKC PHI HOU CLE LAC PHI BRK	66 65 33 65 68 41 65 53 4	51 64 2 11 0 65 30 0	1632 1878 368 1999 1207 436 2143 1452 28	256 237 35 453 149 37 513 158 3 21	538 551 92 965 350 91 1086 391 12 64

0.453 ## 549	Chris Silva\\silvach01	PF	าว	MIA	11	0	346	48	78	
0.615	CIII 13 311va / \S11vaCile1	FF	23	IJIA	44	U	340	40	76	
## 550	Ben Simmons\\simmobe01	PG	22	п⊔т	<b>5</b> 7	<b>5</b> 7	2017	275	647	
0.580	DELL 2TIIIIIOLI2 / /2TIIIIIODE6T	Pu	23	LUI	٦,	٦,	2017	3/3	047	
## 551	Anfernee Simons\\simonan01	SG	20	POR	70	1	1449	21/	536	
0.399	ATTETTIEE STIIOTIS / /STIIIOTIATE	30	20	FUR	70	4	1443	214	330	
## 552	Alen Smailagić\\smailal01	С	10	GSW	1/1	0	139	20	40	
0.500	Alen Smallagic (\Smallaloi	C	1)	UJW	14	U	133	20	40	
## 553	Marcus Smart\\smartma01	SG	25	BOS	60	<b>4</b> 0	1919	256	682	
0.375	rial cas smaller ( / smallemaox	30	23	505	00	70	1717	230	002	
## 554	Dennis Smith Jr.\\smithde03	PG	22	NYK	34	3	537	72	211	
0.341	Delinias Sinatell 31 . ( \Sinatelliacos				٠.		337	′-		
## 555	<pre>Ish Smith\\smithis01</pre>	PG	31	WAS	68	23	1787	308	689	
0.447	1311 3111211 ( \( \)3112111301	, ,	J-	•••	00		1,0,	500	003	
## 556	J.R. Smith\\smithjr01	SG	34	LAL	6	0	79	7	22	
0.318	2000 00000 ( (000000)				_	_		-		
## 557	Zhaire Smith\\smithzh01	SF	20	PHI	7	0	32	3	11	
0.273										
## 558	Tony Snell\\snellto01	SF	28	DET	59	57	1641	170	382	
0.445										
## 559	Omari Spellman\\spellom01	С	22	GSW	49	3	886	127	295	
0.431	·									
## 560	Max Strus\\strusma01	SF	23	CHI	2	0	6	2	3	
0.667										
## 561	Edmond Sumner\\sumneed01	SG	24	IND	31	3	447	61	142	
0.430										
## 562	Caleb Swanigan\\swanica01	PF-C	22	TOT	27	1	288	28	47	
0.596										
## 564	Caleb Swanigan\\swanica01	PF	22	POR	20	1	265	26	43	
0.605										
## 565	Jayson Tatum\\tatumja01	PF	21	BOS	66	66	2265	552	1226	
0.450										
## 566	Jeff Teague\\teaguje01	PG	31	TOT	59	17	1464	213	489	
0.436										
## 567	Jeff Teague\\teaguje01	PG	31	MIN	34	13	945	145	324	
0.448	7.66.7				٥-	_	-10		4.5-	
## 568	Jeff Teague\\teaguje01	PG	31	ATL	25	4	519	68	165	
0.412	C 11 T 1 1 1 01	66	22	DD14		2.5	4720	222	<b>507</b>	
## 569	Garrett Temple\\templga01	SG	33	BKK	62	35	1730	222	587	
0.378	Davial Thair\\ +baird-01	•	27	DOC	٥.	<i>-</i> 1	1566	241	426	
## 570	Daniel Theis\\theisda01	С	27	R02	65	64	1566	241	426	
0.566	Taniah Thamas\\thamais02	DC	20	LIAC	40	27	025	171	426	
## 571	Isaiah Thomas\\thomais02	PG	30	WAS	40	3/	925	174	426	
0.408 ## 572	Vhyni Thomas\\thomakh01	SG	22	DET	0	Ω	61	_	17	
## 572 0.294	Khyri Thomas\\thomakh01	SG	23	DET	8	0	91	5	17	
## 573	Lance Thomas\\thomala01	PF	21	BRK	7	4	98	8	23	
## 575 0.348	rance monas//monaragi	PF	31	DIVIN	,	4	20	0	23	
## 574	Matt Thomas\\thomama02	SG	25	TOR	<b>1</b> 1	1	440	73	150	
ππ 3/4	riace monias / / moniandez	טכ	23	ION	+1	Т	440	13	שכד	

0.487	Trictan Thompson\\thomptn01	PF	20	CLE	<b>5</b> 7	<b>E</b> 1	1721	200	E62
## 575	Tristan Thompson\\thomptr01	PF	20	CLE	5/	ЭТ	1/21	200	562
0.512	Cindenius Thermos 11\) the masion	C.E.	25	NOD	_	_	2.5	_	4.4
## 576	Sindarius Thornwell\\thornsi01	SF	25	NOP	2	0	35	6	11
0.545							400=		0.45
## 577	Matisse Thybulle\\thybuma01	SG	22	PHT	65	14	1287	112	265
0.423									400
## 578	Anthony Tolliver\\tollian01	PF	34	тот	55	13	872	65	182
0.357						_			44=
## 579	Anthony Tolliver\\tollian01	PF	34	POR	33	9	554	43	117
0.368					_	_		_	4=
## 580	Anthony Tolliver\\tollian01	PF	34	SAC	9	0	82	3	17
0.176						_			
## 581	Anthony Tolliver\\tollian01	PF	34	MEM	13	4	236	19	48
0.396						_			
## 582	Juan Toscano-Anderson\\toscaju01	SG	26	GSW	13	6	272	29	63
0.460									
## 583	Karl-Anthony Towns\\townska01	С	24	MIN	35	35	1187	316	622
0.508									
## 584	Gary Trent Jr.\\trentga02	SF	21	POR	61	8	1332	196	441
0.444									
## 585	Allonzo Trier\\trieral01	SG	24	NYK	24	1	291	51	106
0.481									
## 586	P.J. Tucker\\tuckepj01	PF	34	HOU	72	72	2467	177	426
0.415									
## 587	Rayjon Tucker\\tuckera01	SG	22	UTA	20	0	161	20	43
0.465									
## 588	Evan Turner\\turneev01	SG	31	ATL	19	0	251	25	67
0.373									
## 589	Myles Turner\\turnemy01	С	23	IND	62	62	1826	268	587
0.457									
## 590	Jarrod Uthoff\\uthofja01	PF	26	TOT	7	0	53	7	18
0.389									
## 591	Jarrod Uthoff\\uthofja01	PF	26	MEM	4	0	14	1	7
0.143									
## 593	Jonas Valančiūnas\\valanjo01	С	27	MEM	70	70	1845	432	739
0.585									
## 594	Denzel Valentine\\valende01	SF	26	CHI	36	5	488	97	237
0.409									
## 595	Jarred Vanderbilt\\vandeja01	PF	20	TOT	11	0	46	5	8
0.625									
## 598	Fred VanVleet\\vanvlfr01	SG	25	TOR	54	54	1928	319	773
0.413									
## 600	Noah Vonleh\\vonleno01	С	24	TOT	36	1	377	52	92
0.565									
## 601	Noah Vonleh\\vonleno01	С	24	MIN	29	1	347	47	86
0.547									
## 602	Noah Vonleh\\vonleno01	С	24	DEN	7	0	30	5	6
0.833									
## 603	Nikola Vučević\\vucevni01	С	29	ORL	62	62	1998	493	1033

0.477	Doors 11-do\\dodo01	DE	22	CL F	12	^	71	0	1.2
## 604 0.692	Dean Wade\\wadede01	PF	23	CLE	12	0	71	9	13
## 605	Moritz Wagner\\wagnemo01	С	22	WAS	<b>1</b> E	5	835	1/5	266
## 605 0.545	MOTICZ Wagner (\wagnemool	C	22	WAS	45	)	033	145	200
## 606	Dion Waiters\\waitedi01	SG	20	тот	10	0	207	41	99
## 000 0.414	DION Marcens//Marcenter	30	20	101	TO	О	207	41	99
## 607	Dion Waiters\\waitedi01	SG	28	MIA	3	0	42	10	26
0.385	DION Walter 3 / \Waltediol	30	20	IJIA	ر	U	42	10	20
## 608	Dion Waiters\\waitedi01	SG	28	LAL	7	0	165	31	73
0.425	Dion waiter 3 (\waitedioi	30	20	LAL	′	U	105	71	, ,
## 609	Kemba Walker\\walkeke02	PG	29	ROS	56	56	1742	378	889
0.425	Kemba Walker (\Walkereoz	1.0	23	003	50	50	1772	570	000
## 610	Lonnie Walker\\walkelo01	SG	21	SAS	61	12	988	152	357
0.426	LOTHIC WALKET ( (WALKETOOL	30			01		500	172	337
## 611	Tyrone Wallace\\wallaty01	SG	25	ATL	14	0	160	14	44
0.318	Tyrone narrace (marracyor	50		, <u> </u>	- '	Ū	100		
## 612	Derrick Walton\\waltode01	PG	24	TOT	26	1	248	18	39
0.462	50.110K Ma100M ( (Ma100aco1					_			33
## 613	Derrick Walton\\waltode01	PG	24	LAC	23	1	222	17	36
0.472		. •				_			
## 615	Brad Wanamaker\\wanambr01	PG	30	BOS	71	1	1369	162	362
0.448									
## 616	T.J. Warren\\warretj01	SF	26	IND	67	67	2202	534	997
0.536	, , , , , , , , , , , , , , , , , , ,								
## 617	P.J. Washington\\washipj01	PF	21	CHO	58	57	1759	268	589
0.455									
## 618	Yuta Watanabe\\watanyu01	SF	25	MEM	18	0	105	15	34
0.441									
## 619	Tremont Waters\\watertr01	PG	22	BOS	11	1	119	14	49
0.286									
## 620	Paul Watson\\watsopa01	SF	25	TOT	10	0	87	10	26
0.385									
## 622	Paul Watson\\watsopa01	SF	25	TOR	8	0	70	10	19
0.526									
## 623	Quinndary Weatherspoon\\weathqu01	SG	23	SAS	11	0	78	5	17
0.294									
## 624	Russell Westbrook\\westbru01	PG	31	HOU	57	57	2049	604	1281
0.472						_			
## 625	Coby White\\whiteco01	PG	19	CHI	65	1	1674	312	792
0.394	5	66	25	C 4 C		20	4677	252	550
## 626	Derrick White\\whitede01	SG	25	SAS	68	20	1677	253	552
0.458	U	_	20	DOD	<b>~</b> ¬	<i>-</i> 1	2000	426	700
## 627	Hassan Whiteside\\whiteha01	С	30	PUR	67	ρТ	2008	436	702
0.621	Andrew Wiggins \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CF	2.4	TOT	E 1	E 4	1050	427	070
## 628	Andrew Wiggins\\wiggian01	SF	24	101	54	54	1858	43/	978
0.447	Andrew Wiggins \\ viggins 01	CF	24	МТМ	42	42	1/55	251	700
## 629 0.444	Andrew Wiggins\\wiggian01	SF	24	MITIM	42	42	1455	22T	790
## 630	Andrew Wiggins \\wiggins and	SF	2/	GSW	12	12	102	96	188
## 030	Andrew Wiggins\\wiggian01	31	24	MCD	12	12	403	86	100

0.457 ## 631			Gnant	- Ы; ·	lliam	s\\wil	lian01	ı	PF	21	BOS	60	5	1043	87	211	1
0.412			Gi aiii	C MI.	LITAIII	5 / /WII.	IIgi oi		r i	21	503	09	ر	1043	07	211	L
		اما	+h	- 1.1 <b>-</b> 1	11:	- \	1::-04		PF	24	LIAC	1 [	c	100	10	2.4	1
## 632		301	ilia tilai	I MT	LTTalli	s\\wil	11]004		PF	24	WAS	12	6	180	19	34	+
0.559					17.	-	1 - 1 0 4		<b>.</b> .	25	NOD	20	40	022	- 4	44-	,
## 633		ı	Kenrici	1 W1.	IIIams	s\\wil	11Ке04		PF	25	NOP	39	18	832	51	147	′
0.347				• •									_		204		_
## 634			Lou	J Wi.	Lliams	s\\wil	111002		PG	33	LAC	65	8	1864	391	936	)
0.418																	
## 635			Marvi	n Wi.	lliams	s\\wil	lima02		PF	33	TOT	58	1	1129	119	267	7
0.446																	
## 636			Marvi	n Wil	lliams	s\\wil	lima02		PF	33	CH0	41	1	808	94	216	)
0.448																	
## 637			Marvi	n Wil	lliams	s\\wil	lima02		PF	33	MIL	17	0	321	25	57	7
0.439																	
## 639		Nige	el Wil	liams	s-Gos	s\\wil	lini01		PG	25	UTA	10	0	50	5	16	5
0.313																	
## 640			Zion W	will:	iamso	n\\wil	lizi01	-	PF	19	NOP	24	24	668	210	366	)
0.583																	
## 641			D.	.J. l	Wilson	n\\wils	sodj01		PF	23	MIL	37	1	363	52	132	2
0.394							J										
## 642			Justis	se Wi	inslo	w\\wins	slju01	:	SG	23	MIA	11	5	352	50	129	)
0.388							•										
## 643			Chr	istia	an Woo	ow//bc	odch01		PF	24	DET	62	12	1325	288	508	3
0.567																	
## 644			De	lon l	Wright	t\\wri	ghde01		PG	27	DAL	73	5	1570	190	411	L
0.462					6	- ( ( – (	5						-				
## 645		lustii	n Wrigh	nt - Fo	oremai	n\\wrig	ghiu02		PG	22	UTA	4	0	45	7	26	7
0.350		, a , c ± .	6.		or Ciliar	. / /001 - 2	5117402				0171	•	Ŭ	.5	,		
## 646			Thade	delic	Vouns	g\\youi	ngth01		PF	31	СНТ	64	16	1591	269	601	
0.448			maac	acus	Touri	5 ( ) Oui	iig ciio <u>-</u>			<b>J</b> ±	CIT	0-7	10	1001	200	001	-
## 647			-	Γrae	Voun	g\\youi	ngtr01		PG	21	ΔΤΙ	60	60	2120	546	12/10	<b>a</b>
0.437				i i ac	roung	5 ( You	ig ci OI				AIL	00	00	2120	J <del>+</del> 0	1272	
## 648			C	dv -	70110	r\\zel	100001		С	27	CHU	E 0	20	1341	251	479	2
0.524			C	Juy 2	LETTE	\\261.	160001		C	۷,	CHO	56	22	1941	231	4/3	,
			т,	, <del>;</del>	Zuba	c \ \ = b :	aciv01		_	22	1.40	72	70	1226	226	205	_
## 651			T	/ICa	Zuba	c\\zuba	acivoi		C	22	LAC	12	10	1326	230	202	)
0.613	Van	V2D4	Van	Van	Vana	Van	٥٢٥	гт	ГΤΛ		гт	<b>ODD</b>	D.	D TDE		. ст.	
##	ХЗР	X3PA	ХЗР.	XZP	XZPA	X2P.	erg.	гі	FIF	١	FI.	UKB	אט	B IKE	AS I	SIL	-
BLK	_	_	0 222	202	475	0 504	0 500	447	204	_	-00	207	~-				
## 1	1	3	0.333	282	4/5	0.594	0.593	11/	201	. 0	.582	207	3/	6 58:	3 146	5 51	L
67	_												_				
## 2	2	14	0.143	438	776	0.564	0.558	264	382	. 0	.691	176	55	9 735	368	8 82	<u>'</u>
93																	
## 3	61	157	0.389	330	636	0.519	0.532	158	191	. 0	.827	103	28	392	129	36	5
87																	
## 5	46	133	0.346	52	133	0.391	0.455	25	37	0	.676	9	7	'5 8 <sup>2</sup>	1 89	17	7
8																	
## 6	57	141	0.404	60	110	0.545	0.580	39	45	0	.867	8	7	7 85	5 52	10	)
2																	
## 7	0	6	0.000	302	459	0.658	0.649	171	276	0	.633	216	45	5 671	110	46	)

92	8	5	16	0.313	14	28	0.500	0.489	7	11	0.636	2	7	9	21	5
2 ## 8	9	9	36	0.250	16	50	0.320	0.343	19	29	0.655	24	63	87	21	18
## 6	10	6	29	0.207	4	9	0.444	0.342	2	4	0.500	1	20	21	8	0
## 37	11	24	85	0.282	133	246	0.541	0.511	52	78	0.667	58	227	285	162	54
## 66	13	89	293	0.304	596	945	0.631	0.589	398	629	0.633	140	716	856	354	61
## 2	15	0	10	0.000	24	38	0.632	0.500	7	17	0.412	12	12	24	15	7
## 27	16	87	226	0.385	249	556	0.448	0.485	136	161	0.845	71	297	368	85	49
## 45		89	228	0.390	197	338	0.583	0.584	72	102	0.706	80	284	364	108	96
## 3		54	138	0.391	36	82	0.439	0.532	27	38	0.711	20	90	110	96	27
## 15		77		0.372	65	117	0.556	0.557	62		0.838	34	212	246	91	69
## 7	20	43	122	0.352	21	43	0.488	0.518	21	27	0.778	21	125	146	50	35
## 8	21	34	85	0.400	44	74	0.595	0.597	41	47	0.872	13	87	100	41	34
## 1	22	70	201	0.348	114	260	0.438	0.475	161	181	0.890	22	100	122	262	34
## 58	23	3	13	0.231	307	555	0.553	0.548	67	89	0.753	147	289	436	72	26
## 2	24	19	67	0.284	66	177	0.373	0.387	35	53	0.660	15		100	52	23
## 12	25	4		0.182	74		0.510		25		0.806	29	68	97	10	6
## 38	26	148		0.375			0.442		43		0.566		312			88
86	27	37		0.346			0.531									
2	28	32		0.376			0.434								112	5
## 12		102					0.501									43
## 17		63					0.432									55
## 29		108					0.498									61
## 24		34		0.330			0.504									19
## 20		31		0.330			0.500									17
##	34	3	9	0.333	10	19	0.526	0.518	8	10	0.800	4	13	17	0	2

35	14	49	0.286	14	32	0.438	0.432	9	10	0.900	25	75	100	66	17
36	59	168	0.351	124	213	0.582	0.558	56	75	0.747	71	166	237	67	10
37	84	244	0.344	116	290	0.400	0.453	113	147	0.769	27	267	294	93	74
38	56	171	0.327	57	155	0.368	0.433	58	72	0.806	13	159	172	61	45
39	28	73	0.384	59	135	0.437	0.486	55	75	0.733	14	108	122	32	29
40	49	141	0.348	76	176	0.432	0.472	43	62	0.694	30	216	246	41	23
41	170	481	0.353	423	822	0.515	0.520	385	457	0.842	52	190	242	347	71
42	107	276	0.388	120	258	0.465	0.525	54	66	0.818	18	130	148	75	40
43	58	161	0.360	59	140	0.421	0.485	33	38	0.868	9	68	77	48	31
44	49	115	0.426	61				21	28	0.750	9	62	71	27	9
45	67	178	0.376	56	136	0.412	0.498	48	58	0.828	7	92	99	69	12
46	4			31				19			30	51	81	16	3
47				30								50	78	14	2
															1
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															4 0
	-														4
															37
55	0														20
56	8	42	0.190	62	108	0.574	0.493	24	33	0.727	25	81	106	23	10
58	134	320	0.419	180	333	0.541	0.583	69	84	0.821	111	347	458	203	62
59	74	215	0.344	260	488	0.533	0.528	169	214	0.790	43	239	282	328	57
60	164	441	0.372	173	325	0.532	0.547	86	116	0.741	26	181	207	207	64
	36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 58	36 59 37 84 38 56 39 28 40 49 41 170 42 107 43 58 44 49 45 67 46 4 47 2 48 2 49 15 50 15 51 4 52 11 53 200 54 80 55 0 56 8 58 134 59 74	36       59       168         37       84       244         38       56       171         39       28       73         40       49       141         41       170       481         42       107       276         43       58       161         44       49       115         45       67       178         46       4       12         47       2       9         48       2       3         49       15       65         50       15       43         51       4       9         52       11       34         53       200       472         54       80       206         55       0       1         56       8       42         58       134       320         59       74       215	36       59       168       0.351         37       84       244       0.344         38       56       171       0.327         39       28       73       0.384         40       49       141       0.348         41       170       481       0.353         42       107       276       0.388         43       58       161       0.360         44       49       115       0.426         45       67       178       0.376         46       4       12       0.333         47       2       9       0.222         48       2       3       0.667         49       15       65       0.231         50       15       43       0.349         51       4       9       0.444         52       11       34       0.324         53       200       472       0.424         54       80       206       0.388         55       0       1       0.000         56       8       42       0.190         58       134	36       59       168       0.351       124         37       84       244       0.344       116         38       56       171       0.327       57         39       28       73       0.384       59         40       49       141       0.348       76         41       170       481       0.353       423         42       107       276       0.388       120         43       58       161       0.360       59         44       49       115       0.426       61         45       67       178       0.376       56         46       4       12       0.333       31         47       2       9       0.222       30         48       2       3       0.667       1         49       15       65       0.231       89         50       15       43       0.349       26         51       4       9       0.444       6         52       11       34       0.324       20         54       80       206       0.388       67	36       59       168       0.351       124       213         37       84       244       0.344       116       290         38       56       171       0.327       57       155         39       28       73       0.384       59       135         40       49       141       0.348       76       176         41       170       481       0.353       423       822         42       107       276       0.388       120       258         43       58       161       0.360       59       140         44       49       115       0.426       61       118         45       67       178       0.376       56       136         46       4       12       0.333       31       55         47       2       9       0.222       30       51         48       2       3       0.667       1       4         49       15       65       0.231       89       163         50       15       43       0.349       26       49         51       4       9	36       59       168       0.351       124       213       0.582         37       84       244       0.344       116       290       0.400         38       56       171       0.327       57       155       0.368         39       28       73       0.384       59       135       0.437         40       49       141       0.348       76       176       0.432         41       170       481       0.353       423       822       0.515         42       107       276       0.388       120       258       0.465         43       58       161       0.360       59       140       0.421         44       49       115       0.426       61       118       0.517         45       67       178       0.376       56       136       0.412         46       4       12       0.333       31       55       0.564         47       2       9       0.222       30       51       0.588         48       2       3       0.667       1       4       0.250         50       15 <t< td=""><td>36       59       168       0.351       124       213       0.582       0.558         37       84       244       0.344       116       290       0.400       0.453         38       56       171       0.327       57       155       0.368       0.433         39       28       73       0.384       59       135       0.437       0.486         40       49       141       0.348       76       176       0.432       0.472         41       170       481       0.353       423       822       0.515       0.520         42       107       276       0.388       120       258       0.465       0.525         43       58       161       0.360       59       140       0.421       0.485         44       49       115       0.426       61       118       0.517       0.577         45       67       178       0.376       56       136       0.412       0.498         46       4       12       0.333       31       55       0.564       0.552         48       2       3       0.667       1       4</td><td>36       59       168       0.351       124       213       0.582       0.558       56         37       84       244       0.344       116       290       0.400       0.453       113         38       56       171       0.327       57       155       0.368       0.433       58         39       28       73       0.384       59       135       0.437       0.486       55         40       49       141       0.348       76       176       0.432       0.472       43         41       170       481       0.353       423       822       0.515       0.520       385         42       107       276       0.388       120       258       0.465       0.525       54         43       58       161       0.360       59       140       0.421       0.485       33         44       49       115       0.426       61       118       0.517       0.577       21         45       67       178       0.376       56       136       0.412       0.498       48         46       4       12       0.333       31</td><td>36       59       168       0.351       124       213       0.582       0.558       56       75         37       84       244       0.344       116       290       0.400       0.453       113       147         38       56       171       0.327       57       155       0.368       0.433       58       72         39       28       73       0.384       59       135       0.437       0.486       55       75         40       49       141       0.348       76       176       0.432       0.472       43       62         41       170       481       0.353       423       822       0.515       0.520       385       457         42       107       276       0.388       120       258       0.465       0.525       54       66         43       58       161       0.360       59       140       0.421       0.485       33       38         44       49       115       0.426       61       118       0.517       0.577       21       28         45       67       178       0.333       31       55       0.56</td><td>36       59       168       0.351       124       213       0.582       0.558       56       75       0.747         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806         39       28       73       0.384       59       135       0.437       0.486       55       75       0.733         40       49       141       0.348       76       176       0.432       0.472       43       62       0.694         41       170       481       0.353       423       822       0.515       0.520       385       457       0.842         42       107       276       0.388       120       258       0.465       0.525       54       66       0.818         43       58       161       0.360       59       140       0.421       0.485       33       38       0.868         44       49       115       0.426       61       118       0.517       0.577       21&lt;</td><td>36       59       168       0.351       124       213       0.582       0.558       56       75       0.747       71         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769       27         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806       13         39       28       73       0.384       59       135       0.437       0.486       55       75       0.733       14         40       49       141       0.348       76       176       0.432       0.472       43       62       0.694       30         41       170       481       0.353       423       822       0.515       0.520       385       457       0.842       52         42       107       276       0.388       120       258       0.465       0.520       385       457       0.842       52         42       107       276       0.388       120       251       0.485       33       38       0.868       9         44       49</td><td>36       59       168       0.351       124       213       0.582       0.588       56       75       0.747       71       166         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769       27       267         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806       13       159         39       28       73       0.348       59       135       0.432       0.472       43       62       0.694       30       216         41       170       481       0.348       76       176       0.432       0.472       43       62       0.694       30       216         41       170       481       0.348       76       176       0.432       0.472       43       62       0.694       30       216         41       170       481       0.338       120       258       0.451       0.520       385       457       0.842       52       190         42       107       204       0.421       0.485       33       38</td><td>36         59         168         0.351         124         213         0.582         0.558         56         75         0.747         71         166         237           37         84         244         0.344         116         290         0.400         0.433         113         147         0.769         27         267         294           38         56         171         0.327         57         155         0.368         0.433         58         72         0.806         13         159         172           39         28         73         0.384         59         135         0.437         0.486         55         75         0.733         14         108         122           40         49         141         0.348         76         176         0.432         0.520         385         457         0.842         52         190         242           41         170         481         0.353         423         822         0.515         0.520         385         457         0.842         52         190         242           42         107         276         0.388         120         0.521</td><td>36         59         168         0.351         124         213         0.582         0.558         56         75         0.747         71         166         237         67           37         84         244         0.344         116         290         0.400         0.433         131         147         0.769         27         267         294         93           38         56         171         0.327         57         155         0.368         0.433         58         72         0.806         13         159         172         61           39         28         73         0.388         59         135         0.437         0.486         55         75         0.733         14         108         122         32           40         49         141         0.348         76         176         0.432         0.427         43         62         0.694         30         216         44         41         1035         423         822         0.515         0.525         54         66         0.818         18         140         142         142         143         0.488         0.828         66         0.818         <td< td=""></td<></td></t<>	36       59       168       0.351       124       213       0.582       0.558         37       84       244       0.344       116       290       0.400       0.453         38       56       171       0.327       57       155       0.368       0.433         39       28       73       0.384       59       135       0.437       0.486         40       49       141       0.348       76       176       0.432       0.472         41       170       481       0.353       423       822       0.515       0.520         42       107       276       0.388       120       258       0.465       0.525         43       58       161       0.360       59       140       0.421       0.485         44       49       115       0.426       61       118       0.517       0.577         45       67       178       0.376       56       136       0.412       0.498         46       4       12       0.333       31       55       0.564       0.552         48       2       3       0.667       1       4	36       59       168       0.351       124       213       0.582       0.558       56         37       84       244       0.344       116       290       0.400       0.453       113         38       56       171       0.327       57       155       0.368       0.433       58         39       28       73       0.384       59       135       0.437       0.486       55         40       49       141       0.348       76       176       0.432       0.472       43         41       170       481       0.353       423       822       0.515       0.520       385         42       107       276       0.388       120       258       0.465       0.525       54         43       58       161       0.360       59       140       0.421       0.485       33         44       49       115       0.426       61       118       0.517       0.577       21         45       67       178       0.376       56       136       0.412       0.498       48         46       4       12       0.333       31	36       59       168       0.351       124       213       0.582       0.558       56       75         37       84       244       0.344       116       290       0.400       0.453       113       147         38       56       171       0.327       57       155       0.368       0.433       58       72         39       28       73       0.384       59       135       0.437       0.486       55       75         40       49       141       0.348       76       176       0.432       0.472       43       62         41       170       481       0.353       423       822       0.515       0.520       385       457         42       107       276       0.388       120       258       0.465       0.525       54       66         43       58       161       0.360       59       140       0.421       0.485       33       38         44       49       115       0.426       61       118       0.517       0.577       21       28         45       67       178       0.333       31       55       0.56	36       59       168       0.351       124       213       0.582       0.558       56       75       0.747         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806         39       28       73       0.384       59       135       0.437       0.486       55       75       0.733         40       49       141       0.348       76       176       0.432       0.472       43       62       0.694         41       170       481       0.353       423       822       0.515       0.520       385       457       0.842         42       107       276       0.388       120       258       0.465       0.525       54       66       0.818         43       58       161       0.360       59       140       0.421       0.485       33       38       0.868         44       49       115       0.426       61       118       0.517       0.577       21<	36       59       168       0.351       124       213       0.582       0.558       56       75       0.747       71         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769       27         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806       13         39       28       73       0.384       59       135       0.437       0.486       55       75       0.733       14         40       49       141       0.348       76       176       0.432       0.472       43       62       0.694       30         41       170       481       0.353       423       822       0.515       0.520       385       457       0.842       52         42       107       276       0.388       120       258       0.465       0.520       385       457       0.842       52         42       107       276       0.388       120       251       0.485       33       38       0.868       9         44       49	36       59       168       0.351       124       213       0.582       0.588       56       75       0.747       71       166         37       84       244       0.344       116       290       0.400       0.453       113       147       0.769       27       267         38       56       171       0.327       57       155       0.368       0.433       58       72       0.806       13       159         39       28       73       0.348       59       135       0.432       0.472       43       62       0.694       30       216         41       170       481       0.348       76       176       0.432       0.472       43       62       0.694       30       216         41       170       481       0.348       76       176       0.432       0.472       43       62       0.694       30       216         41       170       481       0.338       120       258       0.451       0.520       385       457       0.842       52       190         42       107       204       0.421       0.485       33       38	36         59         168         0.351         124         213         0.582         0.558         56         75         0.747         71         166         237           37         84         244         0.344         116         290         0.400         0.433         113         147         0.769         27         267         294           38         56         171         0.327         57         155         0.368         0.433         58         72         0.806         13         159         172           39         28         73         0.384         59         135         0.437         0.486         55         75         0.733         14         108         122           40         49         141         0.348         76         176         0.432         0.520         385         457         0.842         52         190         242           41         170         481         0.353         423         822         0.515         0.520         385         457         0.842         52         190         242           42         107         276         0.388         120         0.521	36         59         168         0.351         124         213         0.582         0.558         56         75         0.747         71         166         237         67           37         84         244         0.344         116         290         0.400         0.433         131         147         0.769         27         267         294         93           38         56         171         0.327         57         155         0.368         0.433         58         72         0.806         13         159         172         61           39         28         73         0.388         59         135         0.437         0.486         55         75         0.733         14         108         122         32           40         49         141         0.348         76         176         0.432         0.427         43         62         0.694         30         216         44         41         1035         423         822         0.515         0.525         54         66         0.818         18         140         142         142         143         0.488         0.828         66         0.818 <td< td=""></td<>

15 ##	61	189	457	0.414	229	478	0.479	0.548	250	277	0.903	39	220	259	131	34
7 ##	62	4	9	0.444	10	19	0.526	0.571	8	10	0.800	5	14	19	6	2
6 ##	63	0	4	0.000	4	7	0.571	0.364	2	4	0.500	3	6	9	0	3
2 ##	64	0	1	0.000	2	2	1.000	0.667	0	2	0.000	0	1	1	0	1
0 ##	65	0	3	0.000	2	5	0.400	0.250	2	2	1.000	3	5	8	0	2
	68	25	71	0.352	93	163	0.571	0.558	69	85	0.812	71	151	222	76	45
	69	141	398	0.354	486	885	0.549	0.544	468	509	0.919	29	268	297	456	49
18 ##	70	38	118	0.322	103	181	0.569	0.535	91	116	0.784	107	170	277	26	22
	72	33	107	0.308	101	214	0.472	0.469	34	41	0.829	24	97	121	131	44
10 ## 5	73	63	173	0.364	107	210	0.510	0.526	20	24	0.833	18	97	115	63	43
	74	3	3	1.000	123	186	0.661	0.675	30	46	0.652	111	156	267	23	14
	75	3	13	0.231	7	15	0.467	0.411	1	2	0.500	2	18	20	11	3
	76	1	9	0.111	5	13	0.385	0.295	4	5	0.800	2	3	5	4	0
	77	0	1	0.000	2	3	0.667	0.500	1	3	0.333	2	6	8	2	4
## 46	78	70	194	0.361	177	290	0.610	0.583	103	122	0.844	66	226	292	129	102
## 48	79	99	300	0.330	220	453	0.486	0.489	106	131	0.809	88	274	362	114	40
## 1	80	3	15	0.200	10	21	0.476	0.403	8	10	0.800	9	17	26	7	4
4	81	20					0.250									5
10	82	75					0.488									35
27	83	147					0.438									63
29	84	33					0.470									63
2	85	3					0.300									2
20	86	129					0.543									65
7	88	44		0.324			0.425									29
##	89	61	1/9	Ø.34I	212	443	0.479	0.488	T03	139	v./84	/6	30/	383	1/8	85

7 ##	90	43	120	0.358	138	268	0.515	0.522	61	75	0.813	22	112	134	188	22
4 ##	91	37	91	0.407	206	327	0.630	0.626	86	116	0.741	98	233	331	83	25
49 ## 3	92	37	111	0.333	53	113	0.469	0.484	17	21	0.810	13	55	68	42	25
## 2	93	32	75	0.427	62	134	0.463	0.526	23	29	0.793	16	34	50	83	16
- ## 1	94	16	38	0.421	43	89	0.483	0.528	13	18	0.722	15	20	35	53	7
## 1	95	16	37	0.432	19	45	0.422	0.524	10	11	0.909	1	14	15	30	9
## 17	96	116	301	0.385	205	467	0.439	0.493	235	265	0.887	48	234	282	189	62
## 17		84		0.375				0.476					189			50
##		32		0.416	45		0.500		34		0.829	11	45	56	38	12
## 10		10		0.189	33		0.458		8		0.571	7		57	17	7
32	100	29		0.244				0.474								
17	101	6		0.182	32		0.571		8		0.889	23	37	60	12	15
12	102	4		0.160	24		0.545		2		0.667	17	27	44	10	10
5	103	2		0.250	8		0.667		6 <b>7</b> 0		1.000	6	10	16	2	5
14	<ul><li>105</li><li>106</li></ul>	92		0.385			0.541				0.775		104 5			57
1	108	1		<ul><li>0.167</li><li>0.242</li></ul>	5 17		<ul><li>0.556</li><li>0.515</li></ul>		4 29		<ol> <li>1.000</li> <li>0.690</li> </ol>	5 12	43	10 55	3 25	1
5	100	3		0.231				0.362			0.600				11	2
2	110	5		0.250				0.500			0.773				14	6
3	111	62		0.425				0.543			0.852			118	84	47
17	112	61	202	0.302	46	102	0.451	0.452	23						48	23
25 ##	113	6	29	0.207	177	314	0.564	0.542	112	152	0.737	139	266	405	51	33
36 ##	114	22	75	0.293	89	185	0.481	0.469	79	95	0.832	46	101	147	109	49
	115	40	120	0.333	80	171	0.468	0.481	69	94	0.734	17	106	123	124	70
18 ##	116	0	1	0.000	175	301	0.581	0.579	40	66	0.606	84	231	315	70	49

	118	0	1	0.000	31	44	0.705	0.689	5	9	0.556	13	47	60	10	4
	120	37	121	0.306	37	62	0.597	0.505	20	23	0.870	11	134	145	39	16
	121	0	4	0.000	0	3	0.000	0.000	2	2	1.000	0	0	0	1	4
	123	27	72	0.375	28	68	0.412	0.489	5	5	1.000	9	44	53	83	21
4 ## 2	125	20	56	0.357	25	50	0.500	0.519	5	5	1.000	9	29	38	55	11
	126	8	39	0.205	202	346	0.584	0.556	120	156	0.769	114	251	365	114	39
	127	39	111	0.351	15	22	0.682	0.553	9	10	0.900	37	73	110	17	6
	128	18	51	0.353	5	8	0.625	0.542	6	7	0.857	11	29	40	12	2
•	129	21	60	0.350	10	14	0.714	0.561	3	3	1.000	26	44	70	5	4
	130	23	64	0.359	273	415	0.658	0.642	85	112	0.759	92	253	345	81	32
## 16	131	152	413	0.368	242	454	0.533	0.542	138	165	0.836	50	137	187	136	46
## 8	132	59	159	0.371	85	167	0.509	0.532	76	86	0.884	21	48	69	70	17
## 8	133	93	254	0.366	157	287	0.547	0.548	62	79	0.785	29	89	118	66	29
## 8	134	1	7	0.143	26	41	0.634	0.573	11	21	0.524	19	25	44	16	1
## 6	135	37	107	0.346	20	35	0.571	0.532	10	11	0.909	4	26	30	27	9
3	136	0	3	0.000	4	11	0.364	0.286	3	5	0.600	2	5	7	1	1
2	137	6		0.316	17		0.486		6		0.545	4	12	16	14	5
66	138						0.642									
5	139	7		0.368			0.510								16	5
5	140						0.437									
31	141	55		0.331			0.607									25
2	142			0.365			0.465								49	12
93							0.593									115
45	147			0.346			<ul><li>0.587</li><li>0.610</li></ul>									80 35
##	140	25	100	6.2T2	30	29	0.010	פשכ. ש	24	שכ	0.000	21	147	1/0	32	22

48 ##	149	36	119	0.303	27	58	0.466	0.458	10	14	0.714	11	66	77	33	15
	150	30	93	0.323	22	50	0.440	0.469	9	12	0.750	10	55	65	28	15
	151	6	26	0.231	5	8	0.625	0.412	1	2	0.500	1	11	12	5	0
	152	45	138	0.326	79	131	0.603	0.545	22	36	0.611	63	126	189	47	23
36 ## 24	154	135	394	0.343	91	169	0.538	0.521	97	125	0.776	52	332	384	161	72
	155	78	266	0.293	69	133	0.519	0.466	75	95	0.789	40	237	277	125	47
	156	57	128	0.445	22	36	0.611	0.655	22	30	0.733	12	95	107	36	25
	157	66	221	0.299	164	348	0.471	0.462	54	117	0.462	70	142	212	110	57
	158	145	321	0.452	139	253	0.549	0.621	80	97	0.825	27	118	145	124	38
	159	12	49	0.245	21	33	0.636	0.476	26	26	1.000	4	22	26	33	5
## 3	160	46	132	0.348	26	54	0.481	0.511	10	16	0.625	12	40	52	17	11
## 3	161	40	112	0.357	22	46	0.478	0.519	10	16	0.625	12	34	46	14	8
## 143	163 3	72	218	0.330	479	878	0.546	0.536	444	525	0.846	142	435	577	200	91
## 14	165	94	242	0.388	105	194	0.541	0.564	51	59	0.864	50	187	237	115	39
## 41	166	22	107	0.206	80	148	0.541	0.443	30	36	0.833	60	189	249	22	25
26	167	14		0.197	55		0.550		23	28	0.821	46	121	167	15	15
15	168	8		0.222	25		0.521		7		0.875	14	68	82	7	10
2	169						0.488									20
20	170	9					0.540									70
12	171	1					0.655									11
9	172	16		0.281			0.485									37
59	<ul><li>173</li><li>174</li></ul>	54 46		0.383			<ul><li>0.528</li><li>0.497</li></ul>									51
42	174 175	46 8					0.618									37 14
17							0.485									
ππ	1/0	123	+00	0.500	201	021	0.400	0.4/0	J+/	++0	0.778	22	109	221	732	40

	177	83	247	0.336	149	263	0.567	0.536	63	86	0.733	66	252	318	154	85
	178	171	541	0.316	410	714	0.574	0.531	426	562	0.758	78	495	573	538	62
	179	30	101	0.297	56	117	0.479	0.463	42	53	0.792	24	57	81	27	31
	180	59	163	0.362	61	127	0.480	0.516	22	33	0.667	10	81	91	57	23
	181	28	98	0.286	64	138	0.464	0.449	31	46	0.674	20	98	118	19	20
8 ## 6	182	17	49	0.347	48	108	0.444	0.468	21	29	0.724	10	45	55	63	14
_	183	124	338	0.367	195	386	0.505	0.526	191	246	0.776	29	158	187	301	40
	184	5	35	0.143	413	749	0.551	0.536	169	294	0.575	250	614	864	152	109
_	185	1	21	0.048	359	658	0.546	0.531	149	255	0.584	226	549	775	138	97
	186	4	14	0.286	54	91	0.593	0.571	20	39	0.513	24	65	89	14	12
##	187	18	42	0.429	6	18	0.333	0.550	2	2	1.000	6	46	52	28	15
## 17	188	29	112	0.259	123	230	0.535	0.487	40	54	0.741	23	163	186	173	101
## 4	189	24	76	0.316	18	52	0.346	0.422	13	19	0.684	6	41	47	24	12
## 4	191	50	143	0.350	11	31	0.355	0.494	11	13	0.846	4	61	65	44	13
## 65	192	57	172	0.331	325	629	0.517	0.512	351	435	0.807	141	452	593	152	45
22	193	55	169	0.325	105	190	0.553	0.522	79	98	0.806	71	174	245	63	35
14	194	37		0.349	63		0.525		48		0.787		102		41	23
8	195	18		0.286				0.519								
17	196	1		1.000				0.649			0.769				15	5
12	197	13		0.333				0.384			0.862				31	11
12	198	13		0.342				0.387			0.862			41	31	
8	200			0.349				<ul><li>0.534</li><li>0.478</li></ul>						67	40	13
2	201	2 13		<ul><li>0.333</li><li>0.351</li></ul>				0.547			1.000			12 55	7 33	1
6	202	13						0.618								30
ππ	204		,	0.143	200	J J Z	0.02/	0.010	40	<i>/</i> 1	0.505	103	550	JOI	91	50

	205	0	2	0.000	34	52	0.654	0.630	18	23	0.783	55	47	102	16	10
	206	49	168	0.292	29	52	0.558	0.466	15	20	0.750	23	51	74	51	27
17 ## 17	207	5	37	0.135	98	162	0.605	0.530	29	51	0.569	67	131	198	49	18
	208	24	79	0.304	55	109	0.505	0.484	36	42	0.857	6	43	49	69	18
-	209	114	303	0.376	129	219	0.589	0.575	78	108	0.722	145	260	405	114	45
## 0	210	148	381	0.388	94	200	0.470	0.544	75	90	0.833	12	114	126	108	33
## 15	211	173	434	0.399	261	495	0.527	0.560	180	220	0.818	18	153	171	209	71
## 25	212	54		0.292	337				241	342	0.705	35	161	196		74
## 2	213	8	16	0.500	7	18	0.389	0.559	2	4	0.500	2	8	10	3	9
## 0	214	4	23	0.174	3	6	0.500	0.310	9	14	0.643	1	9	10	2	2
_	215	10	30	0.333	24	64	0.375	0.415	19	24	0.792	9	24	33	93	14
## 11	216	36	135	0.267	323	637	0.507	0.488	116	159	0.730	41	197	238	369	90
## 7	217	6	20	0.300	15	28	0.536	0.500	15	22	0.682	21	31	52	8	11
## 2	218	1	8	0.125	5	9	0.556	0.382	6	10	0.600	4	6	10	3	3
## 5	219	5	12	0.417	10	19	0.526	0.565	9	12	0.750	17	25	42	5	8
## 5	221	178	439	0.405	180		0.476		266			34	288	322	119	42
11	222			0.399			0.493		73		0.859		116			48
## 4	223	105	296	0.355	175	403	0.434	0.476	63	72	0.875	27	84	111	229	42
## 38	224	57	148	0.385	62	131	0.473	0.529	36	49	0.735	31	244	275	147	34
## 33	225	74	220	0.336	192	376	0.511	0.508	120	136	0.882	61	301	362	114	35
## 20	226	157	381	0.412	186	401	0.464	0.539	190	217	0.876	24	248	272	185	68
## 30	227	4	14	0.286	163	272	0.599	0.591	41	56	0.732	111	156	267	52	27
## 18	228	0	2	0.000	139	249	0.558	0.554	38	49	0.776	43	145	188	60	22
## 47	229	87	251	0.347	391	764	0.512	0.514	288	357	0.807	47	365	412	232	79
##	231	26	87	0.299	50	103	0.485	0.468	28	30	0.933	11	61	72	51	12

```
4
                                                                               51
            237 0.308 262 530 0.494 0.484 151 224 0.674 107 368 475 228
## 232
        73
39
                             160 0.469 0.473 82 107 0.766
                                                                  62 71
             303 0.317
                       75
                                                               9
                                                                           54
                                                                                23
## 233
        96
13
                             378 0.397 0.495 191 233 0.820
## 234 218
            585 0.373 150
                                                              42 170 212 471
                                                                               62
15
## 235
        33
             120 0.275
                        54
                             122 0.443 0.428
                                               36
                                                   56 0.643
                                                              51
                                                                  99 150
                                                                           45
                                                                                24
6
        20
              83 0.241
                        42
                              92 0.457 0.411
                                               27
                                                   37 0.730
                                                              29
                                                                   71 100
                                                                           30
                                                                                17
## 236
2
              37 0.351
                        12
                              30 0.400 0.470
                                                              22
                                                                                 7
## 237
        13
                                                9
                                                   19 0.474
                                                                   28
                                                                       50
                                                                           15
4
                             382 0.537 0.555 147 196 0.750
## 238
        98
             252 0.389 205
                                                              58 190 248
                                                                           88
                                                                                50
57
## 239
         2
               8 0.250
                          8
                              19 0.421 0.407
                                                5
                                                    7 0.714
                                                               2
                                                                    4
                                                                        6
                                                                            9
                                                                                 1
## 241 120
             327 0.367
                        77
                             147 0.524 0.542
                                               33
                                                   48 0.688
                                                                           91
                                                              51 174 225
                                                                               85
32
## 242
        36
            129 0.279
                        87
                             187 0.465 0.446
                                               63
                                                   83 0.759
                                                              23 243 266 266
                                                                                59
33
            238 0.387
                             114 0.518 0.560
                                                   48 0.750
                                                              77 311 388
                                                                                29
## 243
        92
                        59
                                               36
                                                                           49
24
## 244
         9
              33 0.273
                        54
                              93 0.581 0.536
                                               28
                                                   42 0.667
                                                              24
                                                                  69
                                                                       93
                                                                           26
                                                                                24
8
## 245
        62
             183 0.339
                        97
                             161 0.602 0.552
                                               73
                                                   91 0.802
                                                              24 109 133
                                                                           50
                                                                                26
19
## 246
        34
             104 0.327
                        41
                              91 0.451 0.472
                                               49
                                                   63 0.778
                                                              14
                                                                   67
                                                                       81
                                                                           20
                                                                                12
10
## 247
        28
             79 0.354
                        56
                              70 0.800 0.658
                                               24
                                                   28 0.857
                                                              10
                                                                  42
                                                                       52
                                                                                14
                                                                           30
9
## 248
             111 0.243
                        61
                             139 0.439 0.406
                                               76
                                                   98 0.776
                                                                           59
                                                                                 7
        27
                                                              17
                                                                   67
                                                                       84
## 249
        25
              83 0.301
                        37
                              74 0.500 0.475
                                               24
                                                   26 0.923
                                                              14
                                                                   59
                                                                       73
                                                                           45
                                                                                12
8
                             458 0.500 0.489 116 140 0.829
## 251
        25
              87 0.287 229
                                                              78 216 294
                                                                           87
                                                                                37
## 252
         4
              17 0.235
                          2
                              13 0.154 0.267
                                                    8 0.500
                                                                    5
                                                                        7
                                                                           13
                                                                                 4
                                                4
                                                               2
1
                          2
                               6 0.333 0.556
                                                2
                                                    2 1,000
                                                                                 0
## 256
         2
               3 0.667
                                                               0
                                                                    1
                                                                        1
                                                                            0
## 257 204
             513 0.398 180
                             371 0.485 0.550 149 182 0.819
                                                              25 207 232 137
5
## 258 299
             843 0.355 373
                             671 0.556 0.543 692 800 0.865 70 376 446 512 125
60
## 259
        34
              98 0.347 108
                             185 0.584 0.562
                                              39
                                                   66 0.591
                                                              55 185 240
                                                                           68
                                                                                58
33
              73 0.370
                             144 0.590 0.578
                                               24
                                                   42 0.571
                                                                                49
## 260
        27
                        85
                                                              47 153 200
                                                                           48
30
        7
             25 0.280 23 41 0.561 0.508 15 24 0.625
                                                             8 32 40
## 261
```

```
3
                           794 0.593 0.580 231 351 0.658 163 282 445 107
             18 0.000 471
## 263
         0
                                                                               39
72
            210 0.333 148
                            309 0.479 0.487
                                              75
                                                   92 0.815
                                                              26 137 163 118
                                                                               76
## 264
        70
14
            406 0.424 209
                            378 0.553 0.596
                                                              64 234 298 144
## 265 172
                                              64 89 0.719
                                                                               41
17
## 266 131
            357 0.367 422
                            816 0.517 0.527 174 216 0.806
                                                             69 426 495 227
                                                                               53
40
                                             39
             42 0.381 61
                            123 0.496 0.515
                                                   50 0.780
                                                              22 64
                                                                          49
                                                                               34
## 267
        16
                                                                     86
19
            354 0.342 104
                            178 0.584 0.537
                                              85 115 0.739
## 268 121
                                                             61 364 425 108
                                                                               63
23
## 269
         0
               5 0.000
                        44
                             62 0.710 0.657
                                               19
                                                   28 0.679
                                                              29
                                                                  61
                                                                      90
                                                                          18
                                                                                9
12
## 270
         1
               3 0.333
                         3
                               8 0.375 0.409
                                                3
                                                    4 0.750
                                                               1
                                                                  15
                                                                      16
                                                                            1
                                                                                0
0
## 271
                            255 0.678 0.674 123 190 0.647
                                                             97 162 259
                                                                          56
         1
              4 0.250 173
                                                                               26
55
            222 0.383 265
                            478 0.554 0.561 124 145 0.855
                                                              55 293 348 212
                                                                               38
## 272
        85
22
              36 0.222
                            135 0.644 0.579
                                                   46 0.500
                                                              46 116 162
                                                                          54
## 273
         8
                       87
                                              23
                                                                               24
42
## 274
              31 0.194
                        55
                              89 0.618 0.533
                                               17
                                                   33 0.515
                                                              32
                                                                  82 114
                                                                          43
                                                                               16
         6
32
## 275
         2
              5 0.400
                        32
                             46 0.696 0.686
                                                6
                                                   13 0.462
                                                              14
                                                                  34
                                                                      48
                                                                          11
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10
## 276
         1
               2 0.500
                         4
                             12 0.333 0.393
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                                                    5 0.600
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                                                                                1
0
            129 0.341
                        56
                             118 0.475 0.494
                                              44
                                                   71 0.620
                                                              43 154 197
                                                                          40
                                                                               19
## 277
        44
9
## 278
             60 0.250
                        23
                              50 0.460 0.414
                                                   25 0.640
                                                                  71
                                                                      95
                                                                           22
                                                                                5
        15
                                               16
                                                              24
## 279
        29
              69 0.420
                        33
                              68 0.485 0.558
                                               28
                                                   46 0.609
                                                              19
                                                                  83 102
                                                                           18
                                                                               14
4
                            117 0.590 0.550
## 280
         5
             22 0.227
                        69
                                              37
                                                   59 0.627
                                                              43
                                                                  91 134
                                                                          29
                                                                               10
            298 0.389 154
                            333 0.462 0.520
                                              87 100 0.870
                                                              16 208 224 121
                                                                               34
## 281 116
             78 0.308
                             140 0.486 0.477
                                                  59 0.814
                                                              30 154 184
                                                                          50
## 283
        24
                        68
                                              48
                                                                               36
9
## 284 271
            688 0.394 227
                            474 0.479 0.545 115 136 0.846
                                                              57 271 328 213
                                                                               66
17
## 285
        81
            176 0.460 113
                            200 0.565 0.624
                                              85 101 0.842
                                                              50 127 177 180
                                                                               47
5
## 286
            171 0.368
                        47
                            107 0.439 0.509
                                              40
                                                   54 0.741
                                                              29 136 165 104
                                                                               43
        63
12
            147 0.381
                             86 0.465 0.532
## 287
        56
                        40
                                              26
                                                   38 0.684
                                                              24 120 144
                                                                          94
                                                                               31
7
## 288
        7 24 0.292 7 21 0.333 0.389 14 16 0.875
                                                            5 16 21 10
```

	289	0	3	0.000	15	29	0.517	0.469	8	13	0.615	14	18	32	4	5
	290	87	221	0.394	146	342	0.427	0.491	74	87	0.851	22	134	156	225	55
16 ## 48	291	122	346	0.353	336	660	0.509	0.516	129	182	0.709	77	216	293	408	99
	292	134	331	0.405	74	155	0.477	0.566	53	67	0.791	32	206	238	93	87
	293	3	23	0.130	152	306	0.497	0.476	105	143	0.734	110	173	283	106	46
## 4	295	35	71	0.493	52	101	0.515	0.608	21	27	0.778	10	62	72	32	17
## 61	296	99	283	0.350	220	426	0.516	0.520	61	80	0.763	103	353	456	270	52
## 1	297	4	13	0.308	10	17	0.588	0.533	2		0.500	2	5	7	6	8
34	298			0.363			0.549		73		0.811		210		85	67
79	299	3		0.600			0.732								45	31
27	301			0.380			0.453				0.828		193			51
18	302			0.355			0.454						242			44
7	303	12 70		<ul><li>0.316</li><li>0.385</li></ul>	68		<ul><li>0.496</li><li>0.559</li></ul>		46		<ul><li>0.590</li><li>0.718</li></ul>	18		108	26 77	27 28
46	305	14		0.298	2/3		0.585		6		0.400	114	61	78	51	14
21	306	50		0.365	96		0.545		72		0.828		240		49	24
17	307			0.399			0.525		74		0.787	-	251			65
11 ##	308	150	384	0.391	357		0.501		313	368	0.851	51	329	380	259	61
38 ##	309	56	142	0.394	143	274	0.522	0.546	94	102	0.922	22	81	103	128	27
	310	32	94	0.340	124	238	0.521	0.518	60	77	0.779	58	173	231	48	53
	311	28	82	0.341	69	151	0.457	0.476	78	97	0.804	24	107	131	60	25
	312	47	144	0.326	87	187	0.465	0.476	56	75	0.747	22	61	83	61	17
	313	145	368	0.394	208	385	0.540	0.565	139	186	0.747	55	207	262	78	40
92 ## 9	314	23	72	0.319	47	87	0.540	0.513	35	50	0.700	11	55	66	35	18
	315	48	163	0.294	87	178	0.489	0.466	42	50	0.840	27	127	154	52	15

4.0																
	316	57	145	0.393	77	181	0.425	0.498	45	54	0.833	17	75	92	126	13
5 ## 1	317	31	82	0.378	45	116	0.388	0.462	26	33	0.788	11	30	41	72	8
	318	26	63	0.413	32	65	0.492	0.555	19	21	0.905	6	45	51	54	5
	319	9	29	0.310	26	55	0.473	0.470	10	21	0.476	6	26	32	18	6
##	320	148	425	0.348	495	878	0.564	0.550	264	381	0.693	66	459	525	684	78
## 1	322	5	18	0.278	15	22	0.682	0.563	5	6	0.833	3	15	18	7	4
## 3	323	14	50	0.280	24	63	0.381	0.398	12	16	0.750	7	39	46	44	15
## 2	324	3	8	0.375	9	21	0.429	0.466	7	10	0.700	16	32	48	7	3
## 0	325	3	9	0.333	6	23	0.261	0.328	9	10	0.900	3	12	15	3	3
## 20	326	106	272	0.390	70	133	0.526	0.565	46	57	0.807	49	138	187	69	36
## 32	327	33	91	0.363	70	124	0.565	0.556	31	48	0.646	25	93	118	74	25
## 13	328	16	45	0.356	23	42	0.548	0.540	8	14	0.571	8	44	52	21	6
## 19	329	17	46	0.370	47	82	0.573	0.566	23	34	0.676	17	49	66	53	19
2	330	13	22	0.591	40	67	0.597	0.669	35	44	0.795	10	47	57	15	14
4	331	7	24	0.292	15		0.429		9	16	0.563	7	30	37	20	6
9	332	38		0.319	59	131	0.450	0.464	42		0.840	18	58	76	74	16
## 8	333	24		0.289	41		0.466		24		0.750	10	42	52	50	12
1	334						0.419									4
44	335	80					0.594									85
40	336	2					0.704									26
38	337	37					0.677									58
6	338						0.492									59
21	340	56					0.455				0.857					53
2	341	9		0.450			0.417				1.000			11		2
##	342	41	124	0.331	97	183	0.530	0.516	61	90	0.678	35	141	176	75	14

	343	1	7	0.143	198	341	0.581	0.573	70	99	0.707	163	268	431	56	22
	344	73	183	0.399	78	159	0.491	0.548	67	75	0.893	9	89	98	115	12
	346	5	20	0.250	17	46	0.370	0.371	11	14	0.786	14	53	67	14	2
6 ## 3	347	5	17	0.294	13	36	0.361	0.387	7	9	0.778	9	26	35	10	0
	348	0	3	0.000	4	10	0.400	0.308	4	5	0.800	5	27	32	4	2
	349	4	11	0.364	4	10	0.400	0.476	0	3	0.000	1	9	10	5	2
## 83	350	119	319	0.373	118	195	0.605	0.577	79	93	0.849	112	276	388	88	25
## 3	351	45	131	0.344	14	36	0.389	0.488	20	34	0.588	4	37	41	69	10
## 2	352	19	64	0.297	9	22	0.409	0.436	4	13	0.308	3	17	20	31	5
1	353	26	67	0.388	5		0.357		16		0.762	1	20	21	38	5
## 28	354	65	199	0.327	79	202	0.391	0.440	66	101	0.653	28	156	184	61	23
3	355	5		0.500	19		0.704		1		0.500	18	29	47	22	7
16	356			0.402	99		0.478				0.755		150		79	41
26	357	31		0.287	51		0.646		20		0.714	22	62	84	32	11
12	358	99		0.418	27		0.482		35		0.854		107		68	26
5	359 360	33		0.367	46		0.529		24		0.632		<ul><li>112</li><li>221</li></ul>		51	25
26	361	86		<ul><li>0.316</li><li>0.231</li></ul>				<ul><li>0.500</li><li>0.561</li></ul>							80 42	28 7
31	362	53		0.335				0.506							96	55
22	363	5		0.185				0.381							13	8
8								0.526								
28	365	1		0.143	5			0.361			0.333		9	11	3	2
0	366	24		0.333	57	107	0.533	0.520	24		0.750				15	17
10 ##	367	5	18	0.278	31	68	0.456	0.448	7	16	0.438	23	48	71	9	10
4 ##	368	0	4	0.000	4	6	0.667	0.400	2	2	1.000	0	2	2	2	0

0 ##	369	21	47	0.447	19	35	0.543	0.616	6	7	0.857	7	25	32	12	18
6 ##	370	85	239	0.356	128	272	0.471	0.500	110	126	0.873	32	207	239	133	50
6																
## 48	371	16	59	0.271	161	260	0.619	0.580	68	105	0.648	100	221	321	50	23
##	372	14	56	0.250	128	204	0.627	0.573	51	81	0.630	69	161	230	42	20
	373	2	3	0.667	33	56	0.589	0.610	17	24	0.708	31	60	91	8	3
15 ##	374	123	325	0.378	409	808	0.506	0.524	356	402	0.886	54	348	402	280	103
33 ##	375	53	128	0.414	66	106	0.623	0.622	18	28	0.643	30	230	260	55	14
15				0.364									140			
10	376	80	220	0.304	231	512	0.451	0.480	140	197	0.711	49	140	109	199	53
## 22	377	270	674	0.401	354	675	0.524	0.563	460	518	0.888	33	251	284	530	70
	378	14	59	0.237	51	92	0.554	0.477	28	44	0.636	31	77	108	22	13
	379	1	14	0.071	28	65	0.431	0.373	9	12	0.750	28	38	66	20	12
6 ##	380	102	325	0.314	190	346	0.549	0.511	127	152	0.836	58	254	312	99	46
163	3															
## 45	381	35	105	0.333	112	194	0.577	0.550	28	53	0.528	56	105	161	45	10
##	382	146	390	0.374	181	337	0.537	0.550	187	219	0.854	54	493	547	178	33
	383	164	466	0.352	170	337	0.504	0.518	294	343	0.857	32	260	292	433	82
26 ##	384	62	160	0.388	55	109	0.505	0.550	69	81	0.852	29	98	127	29	18
7 ##	385	65	168	0.387	88	175	0.503	0.541	33	45	0.733	71	290	361	69	28
28																
## 1	388	1	4	0.250	4	11	0.364	0.367	1	2	0.500	1	5	6	5	3
## 44	389	5	26	0.192	99	184	0.538	0.507	70	113	0.619	78	140	218	49	31
##	390	22	64	0.344	71	129	0.550	0.539	73	110	0.664	54	113	167	43	25
39 ##	391	7	20	0.350	30	59	0.508	0.513	18	27	0.667	10	45	55	53	11
5 ##	392	4	17	0.235	117	194	0.603	0.583	43	57	0.754	66	131	197	20	8
10																
## 23	393	109	31/	0.344	142	2/4	0.518	0.517	126	153	0.824	60	253	313	74	42
## 7	394	20	37	0.541	17	47	0.362	0.560	17	21	0.810	10	28	38	23	12
-	395	18	77	0.234	71	130	0.546	0.473	42	65	0.646	38	120	158	95	39

	396	5	18	0.278	19	35	0.543	0.500	11	14	0.786	1	9	10	18	7
2 ## 9	397	25	96	0.260	46	85	0.541	0.461	30	31	0.968	12	84	96	23	7
	398	6	21	0.286	17	30	0.567	0.510	10	17	0.588	5	14	19	29	5
	399	19	46	0.413	5	10	0.500	0.598	31	34	0.912	6	18	24	10	8
_	400	108	297	0.364	59	125	0.472	0.524	52	68	0.765	22	144	166	92	38
## 0	401	0	2	0.000	2	3	0.667	0.400	1	2	0.500	1	1	2	0	2
## 4	402	23	71	0.324	44	91	0.484	0.485	13	18	0.722	19	67	86	79	39
## 42	403	194	512	0.379	417	844	0.494	0.522	140	185	0.757	46	251	297	310	54
## 11	404	5	17	0.294	207	394	0.525	0.522	35	42	0.833	38	151	189	355	56
3	405	9		0.375	24		0.522		14	17	0.824	15	50	65	13	8
## 5	406	128		0.435		253	0.549	0.605	48		0.828		148		78	12
94	407	3		0.500			0.640		53		0.646				37	36
8	408	24		0.270	48		0.522		19		0.559		122		36	26
8	409	14		0.215	59		0.557		22		0.710	37		113	14	23
4	410	29		0.382	58		0.569		26		0.667	7			125	34
16	411			0.400	61		0.656		50		0.746		136		58	45
16	<ul><li>412</li><li>413</li></ul>	45 40		0.357			<ul><li>0.433</li><li>0.441</li></ul>				0.761		106		93	21 19
15	414	40		0.500			0.000						4		4	2
1	415	3		0.188			0.407				0.727				-	0
0	416	69		0.335			0.573									34
23	417						0.464									77
20	418			0.000			0.600									3
6							0.546									53
7 ##	421	11	35	0.314	8	24	0.333	0.415	15	20	0.750	4	8	12	12	10

4 ##	449	48	128	0.375	75	135	0.556	0.559	51	66	0.773	14	86	100	38	23
	450	56	159	0.352	173	272	0.636	0.596	50	74	0.676	106	303	409	123	56
	451	76	240	0.317	112	216	0.519	0.496	126	153	0.824	26	132	158	262	69
	452	47	159	0.296	67	124	0.540	0.486	72	88	0.818	17	93	110	187	40
	453	29	81	0.358	45	92	0.489	0.512	54	65	0.831	9	39	48	75	29
	454	34	88	0.386	67	134	0.500	0.532	39	47	0.830	11	50	61	95	24
6 ## 0	455	0	1	0.000	0	1	0.000	0.000	2	2	1.000	0	0	0	0	0
_	456	90	225	0.400	51	97	0.526	0.578	20	24	0.833	15	112	127	44	18
	458	1	3	0.333	183	266	0.688	0.686	80	106	0.755	91	209	300	57	59
	459	3	8	0.375	0	4	0.000	0.375	1	1	1.000	0	6	6	3	2
## 0	461	3	8	0.375	0	3	0.000	0.409	1	1	1.000	0	5	5	3	2
## 1	462	3	26	0.115	16	27	0.593	0.387	16	17	0.941	3	10	13	19	3
## 16	463	44	137	0.321	87	196	0.444	0.459	51	59	0.864	23	98	121	172	54
## 15	464	137	391	0.350	264	523	0.505	0.514	85	100	0.850	21	159	180	220	56
## 16	465	2	10	0.200	52	99	0.525	0.505	31	35	0.886	23	59	82	32	11
12	466	12		0.429	25	43	0.581	0.606	18		0.667	8	37	45	8	11
32	467	92		0.377	66		0.545		42		0.764			389		59
24	468			0.259			0.603									7
5	469			0.378			0.464				0.875			145		21
22	<ul><li>470</li><li>471</li></ul>	1		0.333			0.629							127	37	7
4	471			0.352			0.427									24
26	472	41 0		0.000			<ul><li>0.529</li><li>0.750</li></ul>				0.500		181	268	99	68 2
1	474						0.451									17
4	474	95		0.406			0.543									
II TI	7/3	25	254	J. <del>1</del> 00	0,7	104	J. J. J	0.502	50	100	3.300	77	201			73

23 ## 2	476	7	19	0.368	5	13	0.385	0.484	4	5	0.800	5	12	17	4	4
	477	123	321	0.383	143	288	0.497	0.538	63	94	0.670	39	192	231	154	54
	478	108	307	0.352	265	519	0.511	0.517	192	246	0.780	67	294	361	85	71
## 0	479	0	2	0.000	1	3	0.333	0.200	2	2	1.000	2	1	3	0	1
## 0	480	3	7	0.429	8	15	0.533	0.568	0	1	0.000	1	2	3	8	1
## 16	481	32	119	0.269	187	310	0.603	0.548	61	81	0.753	61	153	214	68	45
## 15	482	31	115	0.270	167	278	0.601	0.543	53		0.736	54	137	191	58	42
1	483	1		0.250	20		0.625		8		0.889	7		23	10	3
13	485	37		0.287			0.550						193			32
12	486	0		0.000	61		0.540		34		0.586	42		107	18	9
3	487	67		0.390	28		0.459		35		0.814		116		41	7
11	489			0.365			0.554								472	
2	490	15		0.517	18		0.462		6		0.857	4	27	31	24	8
17	491	14		0.203			0.482		49		0.570		160			70
7	492	13		0.283	35		0.500		4		0.500	26	54	80	48	33
31	493	0		0.000	25		0.532		7		0.500	20	52	72	8	3
4	494	15		0.188	30		0.400		15		0.938	10	44	54	56	17
38	495	0									0.535					
9	497	1		0.500			0.471				0.857			43		2
1	498	1		0.500			0.667				1.000		1			0
10	499	74		0.279							0.798					
14	500	53									0.723					
25		62									0.833					27
6	502	24									0.704					
##	503	67	187	0.358	198	402	0.493	0.507	71	93	0.763	80	258	338	98	32

```
18
            403 0.352 256 529 0.484 0.503 226 283 0.799 100 440 540 102
## 504 142
                                                                              41
115
             39 0.256 136
## 505
                            190 0.716 0.659 74 111 0.667
                                                            75 152 227
                                                                          59
                                                                              34
       10
22
            273 0.399 187
                            325 0.575 0.586 129 153 0.843
## 506 109
                                                             26 164 190
                                                                          91
                                                                              60
21
                            308 0.429 0.475 71 89 0.798
## 507 146
            431 0.339 132
                                                             50 331 381 116
                                                                              57
25
                                                                               2
## 508
         0
              2 0.000
                         0
                              2 0.000 0.000
                                               5
                                                    6 0.833
                                                              0
                                                                   2
                                                                       2
                                                                           5
                            775 0.515 0.492 258 352 0.733 151 471 622 198
## 509
        64
            231 0.277 399
                                                                              51
22
## 510
         0
              2 0.000
                         3
                              7 0.429 0.333
                                               2
                                                    2 1.000
                                                              1
                                                                   2
                                                                       3
                                                                           3
                                                                               0
0
## 511
        83
            250 0.332 130
                            304 0.428 0.459 101 126 0.802
                                                             35 181 216
                                                                              62
28
## 512 180
            397 0.453 106
                            234 0.453 0.596 165 185 0.892
                                                             10 141 151 119
                                                                              20
10
## 513
        32
             97 0.330
                       68
                            146 0.466 0.477 37 53 0.698
                                                             34 90 124
                                                                          35
                                                                              19
22
            249 0.341 193
                            397 0.486 0.496 114 141 0.809
## 514
        85
                                                             41 133 174 162
                                                                              52
36
## 515
        96
            270 0.356 115
                            231 0.498 0.517 78 111 0.703
                                                             27 148 175 113
                                                                              49
10
## 516
         3
             14 0.214
                         5
                             15 0.333 0.328
                                               1
                                                    2 0.500
                                                              7
                                                                 20
                                                                     27
                                                                           4
                                                                               1
3
## 517 270
            606 0.446
                       53
                             81 0.654 0.667
                                              67
                                                  72 0.931
                                                             10 222 232 102
                                                                              35
19
        77
            197 0.391 211
                            395 0.534 0.552
                                              74
                                                  86 0.860
                                                             81 189 270
                                                                          96
                                                                              54
## 518
16
## 519
            170 0.400 176
                            337 0.522 0.548
                                              63
                                                  74 0.851
                                                             66 160 226
                                                                          85
                                                                              45
        68
14
             27 0.333
                                                                               9
## 520
         9
                        35
                             58 0.603 0.571
                                              11
                                                  12 0.917
                                                             15
                                                                 29
                                                                     44
                                                                          11
2
                            157 0.420 0.450
## 521
        49
            153 0.320
                        66
                                              40
                                                  57 0.702
                                                             13 116 129
                                                                          87
                                                                              28
17
## 522
        19
             67 0.284
                        27
                             69 0.391 0.408
                                                  19 0.579
                                                                 55
                                                                     60
                                                                          46
                                                                              13
                                              11
                                                              5
8
             86 0.349
                        39
                             88 0.443 0.483
                                              29
                                                  38 0.763
## 523
        30
                                                              8
                                                                 61
                                                                     69
                                                                          41
                                                                              15
9
## 527
        41
            125 0.328
                        96
                            203 0.473 0.480
                                              27 41 0.659
                                                             23 119 142 240
                                                                              40
2
                            606 0.535 0.520 121 139 0.871
## 528
        45
            147 0.306 324
                                                             27
                                                                 94 121 278
                                                                              40
16
## 529 177
            504 0.351 164
                            342 0.480 0.508 157 184 0.853
                                                             13 209 222 82
                                                                              77
24
## 530 172 423 0.407 226
                            518 0.436 0.514 166 190 0.874
                                                             50 226 276 259
                                                                              61
10
## 531 78 216 0.361 209 476 0.439 0.471 195 226 0.863 46 258 304 570
```

```
11
## 532 158 431 0.367 202 415 0.487 0.519 161 199 0.809 17 160 177 285
                                                                           48
13
                           314 0.487 0.524 113 144 0.785
            321 0.374 153
                                                           14 108 122 206
                                                                            31
## 533 120
9
            110 0.345 49
                           101 0.485 0.502 48 55 0.873
## 534
        38
                                                            3
                                                              52 55
                                                                       79
                                                                           17
4
                           781 0.565 0.550 214 296 0.723 189 582 771 310
## 535
        17
             67 0.254 441
                                                                           47
30
## 536
         3
              8 0.375
                        2
                             8 0.250 0.406
                                              3
                                                  4 0.750
                                                            1
                                                                9
                                                                   10
                                                                        6
                                                                            0
2
                           102 0.647 0.600
                                            18 27 0.667
## 537
         2
             13 0.154
                      66
                                                           20
                                                               68
                                                                   88
                                                                       21
                                                                            16
12
## 538
        84
            235 0.357 172
                           303 0.568 0.554 108 128 0.844 100 306 406 123
                                                                            37
16
                           352 0.491 0.488 106 121 0.876
## 539
        64
            199 0.322 173
                                                          76 178 254 354
                                                                            80
7
                            31 0.516 0.484 10 15 0.667
## 540
             61 0.311
                      16
                                                               40 47
                                                                       15
                                                                            8
        19
                                                            7
4
## 541 125
            325 0.385 328
                           640 0.513 0.534 198 236 0.839
                                                           19 217 236 262
                                                                           45
14
            217 0.369
                           133 0.519 0.540 30 37 0.811
## 542
        80
                       69
                                                           65 183 248
                                                                       56
                                                                            21
5
## 543
        15
             54 0.278
                       22
                            37 0.595 0.489
                                              3
                                                  8 0.375
                                                           21
                                                              72 93
                                                                            24
12
## 544
        97
            255 0.380 416
                           831 0.501 0.517 226 267 0.846
                                                           61 143 204 192
                                                                           65
7
## 545 111
            296 0.375 47
                            95 0.495 0.546 65
                                                76 0.855
                                                            6
                                                               94 100
                                                                       99
                                                                            20
10
## 546
         2
              6 0.333
                        1
                             6 0.167 0.333
                                              3
                                                  4 0.750
                                                                    7
                                                                        1
                                                                             0
                                                            1
                                                                6
1
## 547
         8
             33 0.242
                       13
                            31 0.419 0.391
                                              4
                                                  7 0.571
                                                               25
                                                                       12
                                                                           12
                                                                   34
2
            365 0.359 369
                           739 0.499 0.512 240 303 0.792
## 548 131
                                                           64 375 439 207
                                                                           61
53
                            75 0.640 0.615 37 55 0.673
                                                          60
## 549
              3 0.000
                      48
                                                               66 126
                                                                       23
                                                                             9
         0
21
                           640 0.583 0.581 185 298 0.621 113 331 444 455 119
## 550
         2
              7 0.286 373
33
            226 0.332 139
                           310 0.448 0.469 76 92 0.826
                                                           25 127 152
                                                                       97
## 551
        75
                                                                            26
10
## 552
             13 0.231 17
                            27 0.630 0.538
                                           16
                                                19 0.842
                                                           10
                                                               17
                                                                   27
                                                                             3
4
                           287 0.415 0.476 127 152 0.836 42 183 225 291 101
## 553 137
            395 0.347 119
29
                           157 0.357 0.379 27
## 554
        16
             54 0.296 56
                                                 53 0.509
                                                           21
                                                              57
                                                                  78
                                                                       98
                                                                            28
            169 0.367 246
                           520 0.473 0.492 62
                                                 86 0.721
## 555
        62
                                                           30 189 219 334
                                                                            59
30
## 556
       1 11 0.091 6 11 0.545 0.341 2 2 1.000
                                                          0 5 5 3
```

	557	0	3	0.000	3	8	0.375	0.273	2	4	0.500	0	2	2	2	3
0 ## 15	558	102	254	0.402	68	128	0.531	0.579	32	32	1.000	9	102	111	127	32
	559	43	110	0.391	84	185	0.454	0.503	73	92	0.793	77	142	219	47	33
	560	0	1	0.000	2	2	1.000	0.667	1	1	1.000	1	0	1	0	0
##	561	14	53	0.264	47	89	0.528	0.479	16	29	0.552	11	35	46	55	15
## 7	562	0	2	0.000	28	45	0.622	0.596	9	17	0.529	27	73	100	31	3
## 5	564	0	2	0.000	26	41	0.634	0.605	8	15	0.533	25	68	93	29	2
## 57	565	189	469	0.403	363	757	0.480	0.527	254	313	0.812	64	396	460	200	93
## 19	566	43	117	0.368	170	372	0.457	0.480	172	197	0.873	27	115	142	308	44
## 13	567	33		0.379			0.473		125	144	0.868	15	73	88	208	25
## 6	568	10		0.333	58	135	0.430	0.442	47	53	0.887	12	42		100	19
29	569			0.329	95		0.473		70		0.805		189			49
84	570	32		0.333			0.633				0.763					37
6	571	78		0.413	96		0.405		62		0.816	11	57		146	13
0	572	5		0.357	0		0.000		2		0.500	1	0	1	3	3
0	573	4		0.308	4		0.400		4		1.000	2	11	13	6	0
1	<ul><li>574</li><li>575</li></ul>	47 9		0.475	26		<ul><li>0.510</li><li>0.518</li></ul>		9		0.750	9	52	61	22	10
50	576	2		0.500	4		0.571				0.500		4		4	) 1
1	577	56		0.357			0.519				0.610			107		94
47	578	49		0.338			0.432				0.724					19
11	579			0.337			0.464				0.684				29	8
9	580	2		0.133	1		0.500				0.500		9	11	3	4
1	581	17		0.415	2		0.286				0.875		28	33	10	7
1	582	8		0.348			0.525				0.600			52		13

```
5
## 583 114 277 0.412 202 345 0.586 0.600 180 226 0.796 95 283 378 153
                                                                               33
42
## 584 112
            268 0.418
                        84
                            173 0.486 0.571
                                              37 45 0.822
                                                             25
                                                                  75 100
                                                                          61
                                                                              48
16
## 585
                             53 0.604 0.571
                                                                                3
        19
              53 0.358
                        32
                                               34
                                                   43 0.791
                                                                  23
                                                                      29
                                                                          28
4
## 586 107
            299 0.358
                        70
                            127 0.551 0.541
                                              39
                                                  48 0.813 112 364 476 115
                                                                               77
36
## 587
         3
              17 0.176
                        17
                             26 0.654 0.500
                                              19
                                                   23 0.826
                                                               3
                                                                  17
                                                                      20
                                                                            5
                                                                                1
1
              5 0.000
                        25
                             62 0.403 0.373
                                                                          38
                                                                                9
## 588
         0
                                              12
                                                   14 0.857
                                                               8
                                                                  30
                                                                      38
8
## 589
        86
            250 0.344 182
                            337 0.540 0.530 127 169 0.751
                                                             86 321 407
                                                                          72
                                                                              46
132
## 590
         3
              9 0.333
                         4
                               9 0.444 0.472
                                                2
                                                    2 1.000
                                                                       6
                                                                           0
                                                                                1
## 591
                              3 0.333 0.143
                                                2
                                                    2 1.000
                                                                                1
              4 0.000
                         1
                                                               1
                                                                   0
                                                                       1
                                                                            0
## 593
        32
             91 0.352 400
                            648 0.617 0.606 148 200 0.740 213 575 788 131
                                                                               30
76
            137 0.336
                       51
                            100 0.510 0.506
## 594
        46
                                                6
                                                    8 0.750
                                                              9
                                                                  65
                                                                      74
                                                                          43
                                                                               26
6
## 595
         0
              1 0.000
                         5
                               7 0.714 0.625
                                                2
                                                    2 1.000
                                                                   6
                                                                           2
1
## 598 146
            374 0.390 173
                            399 0.434 0.507 168 198 0.848
                                                             18 185 203 357 100
17
## 600
         3
             15 0.200
                       49
                             77 0.636 0.582 25
                                                   32 0.781
                                                             37
                                                                  87 124
                                                                          28
                                                                              11
6
             14 0.143
                        45
                             72 0.625 0.558
                                               23
                                                   28 0.821
                                                                               11
## 601
         2
                                                             34
                                                                  82 116
                                                                          26
6
## 602
              1 1.000
                         4
                               5 0.800 0.917
                                                2
                                                    4 0.500
                                                               3
                                                                   5
                                                                       8
                                                                            2
                                                                                0
         1
0
                            744 0.531 0.525 131 167 0.784 140 533 673 222
## 603
        98
            289 0.339 395
                                                                               54
47
         2
                         7
                              9 0.778 0.769
                                                                           2
                                                                                2
## 604
              4 0.500
                                                0
                                                    1 0.000
                                                               3
                                                                  16
                                                                      19
4
## 605
        25
             80 0.313 120
                            186 0.645 0.592
                                             78
                                                   95 0.821
                                                             56 163 219
                                                                          56
                                                                               28
19
             47 0.319
                        26
                             52 0.500 0.490
                                                   17 0.824
                                                                  22
## 606
        15
                                              14
                                                               2
                                                                      24
                                                                          20
                                                                                4
6
## 607
         8
              17 0.471
                         2
                              9 0.222 0.538
                                                0
                                                    1 0.000
                                                                  11
                                                                      11
                                                                           3
                                                                                0
2
## 608
         7
             30 0.233 24
                             43 0.558 0.473
                                              14
                                                   16 0.875
                                                               2
                                                                  11
                                                                      13
                                                                          17
                                                                               4
4
## 609 180
            473 0.381 198 416 0.476 0.526 209 242 0.864 36 181 217 268
                                                                              48
28
            101 0.406 111
                            256 0.434 0.483 44 61 0.721
## 610
        41
                                                             23 116 139
                                                                          68
                                                                               32
14
       1 15 0.067 13 29 0.448 0.330 11 17 0.647 3 19 22 13
## 611
```

1 ##	612	10	24	0.417	8	15	0.533	0.590	7	9	0.778	2	14	16	27	7
0 ##	613	9	21	0.429	8	15	0.533	0.597	7	9	0.778	2	13	15	22	4
0 ##	615	37	102	0.363	125	260	0.481	0.499	126	136	0.926	22	122	144	179	61
14 ##	616	91	226	0.403	443	771	0.575	0.581	167	204	0.819	68	212	280	99	78
	617	86	230	0.374	182	359	0.507	0.528	88	136	0.647	58	258	316	123	51
	618	3	8	0.375	12	26	0.462	0.485	3	8	0.375	7	13	20	5	5
	619	4	24	0.167	10	25	0.400	0.327	8	8	1.000	0	12	12	16	10
	620	4	12	0.333	6	14	0.429	0.462	7	9	0.778	2	15	17	8	4
	622	4	9	0.444	6	10	0.600	0.632	7	9	0.778	2	13	15	5	3
1 ## 1	623	1	5	0.200	4	12	0.333	0.324	1	2	0.500	1	6	7	11	3
_	624	55	213	0.258	549	1068	0.514	0.493	290	380	0.763	100	351	451	401	93
	625	133	376	0.354	179	416	0.430	0.478	102	129	0.791	28	202	230	175	49
_	626	79	216	0.366	174	336	0.518	0.530	180	211	0.853	35	188	223	241	44
## 196	627 5	4	7	0.571	432	695	0.622	0.624	164	239	0.686	258	647	905	78	26
## 53	628	111	334	0.332	326	644	0.506	0.504	190	268	0.709	66	208	274	198	45
## 36	629	91	275	0.331	260	515	0.505	0.502	149	207	0.720	48	171	219	155	29
## 17	630	20	59	0.339	66	129	0.512	0.511	41	61	0.672	18	37	55	43	16
36	631	24		0.250			0.548								68	30
8	632	0		0.000			0.594				0.538				8	1
21	633	25		0.258			0.520									27
12	634						0.451									43
30	635	56		0.359			0.568				0.860					36
22	636	44		0.376			0.538				0.860			109	41	26
8	<ul><li>637</li><li>639</li></ul>	12		<ul><li>0.308</li><li>0.286</li></ul>			<ul><li>0.722</li><li>0.333</li></ul>				<ul><li>0.857</li><li>1.000</li></ul>					10 3
##	039		/	0.200	3	9	0.333	0.3/3			T.000		4	O	O	2

```
14 0.429 204 346 0.590 0.592 114 178 0.640 64 86 150
                                                                         50
## 640
         6
                                                                             16
9
## 641
        18
             73 0.247
                       34
                             59 0.576 0.462 11 18 0.611
                                                            12
                                                                 80
                                                                     92
                                                                         25
                                                                              3
5
             27 0.222
                            102 0.431 0.411 18 27 0.667
                                                                              7
## 642
         6
                      44
                                                             16
                                                                 57
                                                                     73
                                                                         44
5
                            368 0.636 0.620 180 242 0.744 104 286 390
## 643
        54
            140 0.386 234
                                                                              34
54
## 644
        47
            127 0.370 143
                            284 0.504 0.519 77 100 0.770
                                                           70 210 280 244
                                                                             85
22
## 645
         2
             10 0.200
                         5
                             10 0.500 0.400
                                               3
                                                   4 0.750
                                                                  5
                                                                      5
                                                                          7
                                                                              2
                                                             0
0
## 646
       79
            222 0.356 190
                            379 0.501 0.513 42 72 0.583
                                                            94 221 315 117
                                                                             92
23
            568 0.361 341
## 647 205
                           681 0.501 0.519 481 559 0.860 32 223 255 560
                                                                              65
8
## 648
             75 0.240 233 404 0.577 0.543 122 179 0.682 160 251 411
                                                                             40
        18
25
## 651
              2 0.000 236 383 0.616 0.613 124 166 0.747 197 346 543 82
         0
                                                                             16
66
       TOV
           PF PTS
##
        94 122
## 1
                684
## 2
       204 182 1146
        74 128 1001
## 3
## 5
        54
            57
                267
            53
## 6
        33
                330
## 7
        77 162
                775
## 8
             7
                 50
         8
## 9
        17
            27
                 78
         4
            13
## 10
                 28
## 11
        66 111
                390
## 13
       230 195 1857
## 15
        12
            18
                 55
## 16
       100 171
                895
        79 167
                733
## 17
           96
## 18
        37
                261
## 19
        56 111
                423
## 20
        28
            63
                192
## 21
            48
                231
        28
## 22
        86
            72
                599
## 23
        80 117
                690
## 24
        37
            52
                224
## 25
        18
            43
                185
## 26
       193 128
                745
## 27
        42 116
                332
## 28
        38
            27
                222
            93 1046
## 29
        88
## 30
       124 122
                803
## 31
        88 121 874
```

```
## 32
         17
             43
                  288
                  251
## 33
         14
             36
         3
              7
                   37
## 34
            41
                   79
## 35
         22
## 36
         50 141
                  481
## 37
         91 196
                  597
         60 121
## 38
                  340
##
   39
             75
                 257
         31
             55
## 40
        45
                  342
       194 126 1741
## 41
## 42
         57
             77
                 615
## 43
             50
                 325
         36
## 44
         21
             27
                 290
## 45
         19
             45
                  361
## 46
         21
             19
                  93
## 47
             17
                   83
         18
## 48
         3
              2
                   10
## 49
             84
                  249
         60
             42
## 50
         21
                  107
## 51
         5
             16
                   26
## 52
         16
             26
                   81
## 53
         59 139
                 834
## 54
         66 156
                 405
## 55
         31
             91
                 212
## 56
         28
             65
                 172
## 58
        99 216
                 831
## 59
       148 128
                 911
       102 133
## 60
                 924
## 61
       159 110 1275
## 62
         10
             11
                   40
## 63
         2
             10
                   10
         2
## 64
              4
                    4
              6
## 65
         0
                    6
## 68
         58 156
                  330
       264 213 1863
##
   69
##
   70
         28 114
                 411
## 72
        70 102
                 335
## 73
        47 110
                 423
## 74
         30 115
                 285
##
   75
         7
              7
                   24
              3
## 76
         2
                   17
              7
         2
##
   77
                    5
## 78
        73 163
                  667
   79
         95 132
##
                 843
## 80
         7
             18
                   37
## 81
          6
             15
                   71
## 82
       131
             98
                 893
## 83
       124 278 1181
## 84
       100 162
                 517
## 85
                  20
       3 3
```

```
## 86
       125 167 1159
         42
## 88
             54
                  266
## 89
         79 132
                  716
## 90
             74
                  466
         66
## 91
         53 103
                  609
## 92
         19
             56
                  234
## 93
         21
             33
                  243
## 94
             21
                  147
         12
## 95
          9
                   96
             12
         91 128
## 96
                  993
## 97
         76 107
                  773
## 98
         15
             21
                  220
## 99
         19
             34
                  104
## 100 127
             81 1157
## 101
         13
             31
                   90
          7
             23
                   62
## 102
## 103
          6
              8
                   28
## 105
         62 128
                  645
          3
              7
## 106
                   17
## 108
        17
             32
                   87
## 109
                   33
         10
             20
## 110
         7
             12
                   54
## 111
         32
             86
                  287
## 112
         33
             90
                  298
## 113
        72 162
                  484
## 114
         52
             87
                  323
## 115
         53
             98
                  349
         40 121
                  390
## 116
## 118
          5
             19
                   67
## 120
             79
                  205
        34
## 121
          2
              2
                    2
## 123
         32
             37
                  142
## 125
         23
             25
                  115
## 126
         78 122
                  548
## 127
         10
             46
                  156
          2
             21
                   70
## 128
## 129
          8
             25
                   86
## 130
        55 100
                 700
## 131
        97 108 1078
## 132
         39
             33
                  423
## 133
             75
                  655
         58
## 134
          9
             14
                   66
## 135
             26
        19
                  161
## 136
          2
              8
                   11
## 137
             20
                   58
          8
## 138
         75 138
                  885
## 139
         14
             36
                   77
## 140
        92 104
                  675
## 141
         52
             70
                  360
        33 27
                 224
## 142
```

```
## 146 103 220
                 870
## 147
         73 148
                 615
## 148
             72
                 255
         30
## 149
        17
             47
                 172
## 150
        12
             36
                 143
## 151
         5
             11
                  29
## 152
        25 135
                 315
## 154
        69 143
                 684
## 155
        54
             85
                 447
## 156
        15
             58
                 237
        81 125
## 157
                 580
## 158
        62 113
                 793
## 159
        16
             11
                 104
## 160
        12
             37
                 200
## 161
          9
             30
                 174
## 163 154 156 1618
## 165
        76 124
                 543
## 166
        57 133
                 256
## 167
        47
             93
                 175
## 168
        10
             40
                  81
## 169
        59
             78
                 177
## 170 164 180 1504
## 171
         32
             55
                 219
## 172
        51 101
                 318
        60 124
                 464
## 173
## 174
        44
             89
                 341
## 175
             35
                 123
        16
## 176 174 180 1318
## 177
        90 113
                 610
## 178 260 153 1759
## 179
        22
             97
                 244
## 180
        21
             44
                 321
## 181
        35
             80
                 243
## 182
        27
                 168
             45
## 183 144 124
                 953
## 184 203 201 1010
## 185 174 176
                 870
## 186
        29
             25
                 140
## 187
         8
             41
                  68
## 188
        68 158
                 373
## 189
        15
             34
                 121
##
   191
        18
             41
                 183
## 192 159 174 1172
## 193
        58 137
                 454
## 194
        31
             85
                 285
## 195
        27
             52
                 169
## 196
        21
             37
                 107
## 197
         25
             41
                 128
## 198
        25
             41
                 128
## 200
        31
             38
                 159
```

```
## 201
        10
            8
                  24
## 202
        21
                 135
             30
## 204
                 459
        55 107
## 205
        18
             34
                  86
##
  206
        31 155
                 220
## 207
        42 107
                 240
## 208
        28
             38
                 218
   209
        69 178
                 678
##
## 210
        57 113
                 707
##
   211 125 161 1221
## 212 158 145 1077
## 213
         5
             11
                  40
         5
             22
## 214
                  27
## 215
        36
            42
                  97
## 216 147 142
                 870
             39
## 217
        16
                  63
## 218
         5
              7
                  19
## 219
             32
                  44
        11
## 221
        76
             75 1160
## 222
        40
             96
                 677
## 223 151
             92
                 728
## 224
        59 124
                 331
## 225
        88 103
                 726
##
   226 125 113 1033
        47 122
                 379
## 227
##
  228
        44 119
                 316
## 229 134 117 1331
            43
## 231
        29
                 206
## 232 100 125
                 894
## 233
        43
            70
                 520
## 234 181 115 1145
## 235
        29 102
                 243
## 236
        19
             66
                 171
## 237
             36
                  72
        10
## 238
        63 154
                 851
## 239
             11
                  27
         3
## 241
        63 136
                 547
## 242
        98 110
                 345
## 243
        54 174
                 430
## 244
        23
             43
                 163
## 245
             89
        42
                 453
## 246
        27
             46
                 233
## 247
             43
        15
                 220
## 248
             27
                 279
        40
## 249
        36
             34
                 173
## 251
        53 105
                 649
## 252
         5
              6
                  20
## 256
         0
              1
                  12
## 257
        69 125 1121
## 258 308 227 2335
```

```
## 259
        53 148
                 357
## 260
        46 120
                 275
         7
             28
## 261
                  82
## 263 108 146 1173
## 264
        60 116
                 581
## 265 104 159
                 998
## 266 104 165 1411
   267
            55
##
        19
                 209
## 268
        75 160
                 656
## 269
        16
             41
                 107
## 270
              6
         1
                  12
## 271
        53 161
                 472
## 272
        96
             96
                 909
## 273
        36
             78
                 221
## 274
        21
             55
                 145
## 275
             23
                  76
        15
## 276
         3
              6
                  14
## 277
                 288
        32
             64
## 278
        18
             29
                 107
## 279
        14
             35
                 181
             32
## 280
                 190
        30
## 281
        87
             76
                 743
##
   283
        42 107
                 256
##
   284 168 165 1382
## 285
        57
             84
                 554
##
   286
        51
             85
                 323
## 287
             73
                 274
        40
   288
             12
                  49
##
        11
## 289
         4
             12
                  38
## 290
        88 120
                 627
## 291 184 145 1167
## 292
        44 137
                 603
## 293
        59 115
                 418
## 295
        19
             46
                 230
   296
        80 142
                 798
##
   297
            10
##
          6
                  34
   298
        54 132
                 662
##
## 299
        84 222
                 517
##
   301
        87 139
                 684
##
   302 103 182
                 778
##
   303
        27
             47
                 218
##
   304 109 153
                 845
## 305
        26
             35
                  96
   306
             95
                 414
##
        34
   307 142 154
                 707
##
##
   308 189 179 1477
## 309
        52
             53
                 548
## 310
        49
             83
                 404
## 311
        26
             80
                 300
             77
                 371
## 312
        49
```

```
## 313
         99 232
                  990
                  198
## 314
         28
             40
## 315
         14
             69
                  360
## 316
         51
             59
                  370
## 317
         23
             21
                  209
## 318
         28
             38
                  161
## 319
          8
             17
                   89
## 320 261
            118
                1698
             19
## 322
          2
                   50
## 323
         18
             29
                  102
          7
             12
## 324
                   34
## 325
          6
              3
                   30
             88
## 326
         32
                  504
## 327
        48
             80
                  270
## 328
         15
             34
                  102
## 329
         33
             46
                  168
##
   330
        13
             28
                  154
## 331
         15
             16
                   60
## 332
         29
             58
                  274
## 333
         24
             43
                  178
                   96
## 334
          5
             15
## 335 226 222 1456
## 336
         28 149
                  306
##
   337
         30 130
                  500
## 338
                  484
         55
             44
##
   340
        80 133
                  458
## 341
          2
              9
                   42
## 342
         37
             75
                  378
## 343
         56 100
                  469
## 344
        43
             65
                  442
##
   346
             37
                   60
        16
## 347
          7
             18
                   48
##
   348
          9
             19
                   12
          2
##
   349
             10
                   20
   350
            176
                  672
##
        58
## 351
         38
             40
                  183
## 352
             20
                   79
        16
## 353
         22
             20
                  104
## 354
        45 106
                  419
##
   355
          7
              7
                   54
   356
         59
             98
                  704
##
##
   357
         14
             54
                  215
## 358
             78
         48
                  386
## 359
                  215
        46
             90
   360
##
        91 126
                  782
##
   361
         30
             89
                  190
## 362
         50 104
                  577
## 363
        11
             33
                   79
## 364 206 131 1530
## 365
         2
              6
                   15
```

```
## 366
         24
             47
                  210
             22
## 367
          8
                   84
## 368
          2
              3
                   10
             33
## 369
         11
                 107
##
   370
         67 116
                  621
##
   371
         55 127
                  438
##
   372
         39
             93
                  349
   373
             34
                   89
##
        16
   374 149 113 1543
##
   375
         39 107
                  309
## 376 118
             81
                  842
## 377 194 114 1978
## 378
        15
             72
                 172
## 379
        12
             34
                   68
##
   380
        70 163
                 813
## 381
                  357
         63
             96
##
   382 140
             90
                 987
## 383 178 190 1126
##
   384
         37 106
                  365
## 385
         39
             98
                 404
## 388
              4
          5
                   12
## 389
        45 114
                  283
## 390
        45
            102
                  281
   391
##
         18
             46
                   99
## 392
         30
             56
                 289
##
   393
         81
             96
                 737
## 394
         15
             32
                 111
## 395
                  238
         44
             78
## 396
          4
              7
                   64
## 397
                 197
         20
             51
## 398
             11
                   62
        11
## 399
          8
             32
                   98
## 400
        43
            103
                  494
                    5
## 401
          1
              0
## 402
         29
             60
                 170
## 403 127 183 1556
## 404 100
             73
                 464
## 405
         11
             36
                   89
## 406
        42 117
                 710
## 407
         55 159
                 446
## 408
         24
             74
                  187
             72
## 409
         26
                 182
## 410
             31
                 229
         31
## 411
            155
                 715
         50
## 412
         43
             73
                 426
## 413
         38
             61
                  370
## 414
          0
              2
                    9
## 415
          5
             10
                  47
## 416
        46
            124
                  395
## 417
        84 109
                 455
```

```
## 418
       10 7
                   58
## 419 137 142 1297
## 421
          4
             14
                   64
             18
## 422
         4
                  35
## 423
        54 105
                 767
## 424
        70 150
                 591
## 425
        47
             92
                 377
## 426
       184 172 1655
## 428
          2
             17
                   32
## 429
        77
             74
                 564
## 431
        40
             80
                 466
## 432 220 110 1193
## 433
          6
             19
                   36
## 434
        97 180 1033
## 435
        73 128
                 841
## 436
        24
             52
                 192
## 437
        76 133
                 560
## 438
        70 104
                 486
## 439
          6
             29
                  74
## 440
        53
             73
                 660
## 441
         5
              6
                  28
## 442
        76
             72
                 395
## 443
          5
             20
                  77
## 444 125 143
                 720
## 445 127 102 1091
## 446
         36
             30
                 192
## 447
        17
             58
                 226
## 448
         61
             87
                 504
## 449
        43
             78
                 345
## 450
        60
             91
                 564
## 451 128 101
                 578
## 452
         76
             62
                 347
## 453
         52
             39
                 231
## 454
        47
             50
                  275
## 455
              0
                    2
         1
             75
                 392
## 456
        30
## 458
                 449
         66 166
## 459
          3
              4
                   10
## 461
          3
              4
                   10
## 462
          3
             11
                   57
        71 142
                 357
## 463
## 464 114 152 1024
## 465
        19
             39
                 141
## 466
                 104
          8
             32
## 467
                 450
         61 202
## 468
         20
             37
                 102
## 469
         19
             80
                 236
             67
## 470
         38
                 243
## 471
         38
             54
                 219
## 472 87 139
                 533
```

```
## 473
         1
            2
                    7
## 474
                 275
        47
             36
## 475
                 549
         71 173
## 476
              9
         4
                  35
## 477
        91 160
                 718
## 478
        83 192 1046
## 479
         0
              1
                    4
## 480
              8
                   25
         4
## 481
             99
                 531
         64
## 482
         60
             93
                 480
## 483
         4
              6
                   51
## 485
        94 125
                 837
## 486
        24
             75
                 156
## 487
        21
             54
                 292
## 489 161 158 1232
## 490
        11
             20
                  87
## 491
        96
             89
                 449
## 492
         20
             54
                 113
## 493
        18
             55
                   57
## 494
        33
             35
                 120
## 495
        82 143
                 437
## 497
         8
             25
                  41
## 498
          0
              2
                    9
## 499
        74
             94
                 503
##
   500
        93 135
                 498
## 501
        49 100
                 512
## 502
             31
        11
                 167
        73 110
## 503
                 668
## 504
        92 185 1164
## 505
        36 102
                 376
## 506
        77 108
                 830
## 507 127 159
                 773
## 508
          0
              3
                    5
## 509 193 178 1248
## 510
          0
              5
                    8
        96 132
## 511
                 610
## 512
        75
             96
                 917
## 513
        22
             83
                 269
## 514 104 136
                 755
## 515
        50 129
                 596
## 516
          2
            13
                  20
## 517
        70 193
                 983
        55 100
## 518
                 727
## 519
             82
                 619
        50
## 520
         5
             18
                 108
## 521
        49 112
                 319
## 522
         26
             55
                 122
## 523
         23
             57
                 197
## 527
        91
             58
                 342
## 528 126
             49
                 904
```

```
## 529 70 109 1016
## 530 141 126 1134
## 531 173 167
                 847
## 532 147
             86 1039
## 533 101
            64
                 779
## 534
        46
            22
                 260
## 535 170 195 1147
## 536
         2
             6
                  16
## 537
        15
            64
                 156
## 538
        88 156
                 704
## 539 130 135
                 644
## 540
         7
            50
                  99
## 541 166 146 1229
## 542
        26
            96
                 408
## 543
        15
            43
                  92
## 544 158 142 1349
## 545
        42 142
                 492
## 546
         3
             4
                  11
            21
## 547
        10
                  54
## 548 148 170 1371
## 549
        32
            85
                 133
## 550 200 186
                 937
## 551
        61 135
                 579
## 552
        11
            14
                  59
## 553 103 162
                 776
## 554
        58
            65
                 187
## 555
        95 106
                 740
## 556
              5
         4
                  17
## 557
         2
             4
                   8
## 558
        31 101
                 474
## 559
        54
                 370
            63
## 560
         0
             1
                   5
## 561
        22
            44
                 152
## 562
             62
        37
                  65
## 564
        31
            54
                  60
## 565 155 136 1547
## 566 116 106
                 641
## 567
        76
            70
                 448
## 568
        40
            36
                 193
## 569
        62 108
                 641
## 570
        54 219
                 601
## 571
        77
            77
                 488
             9
## 572
         3
                  17
## 573
                  24
         6
            11
## 574
        16
            38
                 202
## 575 103 124
                 684
## 576
         2
             2
                  16
## 577
        51 141
                 305
## 578
        34
            74
                 200
## 579
       21 54
                 129
```

```
## 580
         4
            6
                   9
                  62
## 581
          9
             14
                  69
## 582
        16
             30
## 583 110 117
                 926
## 584
         21
             90
                 541
## 585
        22
             29
                 155
## 586
        72 229
                 500
## 587
         8
             10
                  62
## 588
             20
                  62
        26
## 589
        85 166
                 749
              2
                  19
## 590
         0
## 591
              1
                   4
         0
## 593 127 185 1044
## 594
        26
             51
                 246
## 595
         7
              6
                  12
## 598 121 132
                 952
## 600
        21
             40
                 132
## 601
        19
             36
                 119
## 602
         2
              4
                  13
## 603
        88 135 1215
## 604
         3
              8
                  20
## 605
        66 152
                 393
## 606
             21
                 111
        16
## 607
         3
              5
                  28
## 608
                  83
        13
             16
## 609 117
             91 1145
## 610
        44
             78
                 389
             19
## 611
        10
                  40
## 612
         5
             21
                  53
## 613
             19
         4
                  50
## 615
        76 133
                 487
## 616
        84 187 1326
## 617
        93 158
                 710
## 618
         2
              9
                  36
## 619
        15
             13
                  40
              5
## 620
         3
                  31
## 622
          3
              4
                  31
## 623
          5
              8
                  12
## 624 255 200 1553
## 625 109 117
                 859
## 626
        89 152
                 765
## 627 120 196 1040
## 628 132 127 1175
## 629 107 101
                 942
                 233
## 630
        25
             26
## 631
        50 163
                 237
## 632
         5
             16
                  45
## 633
        22
             88
                 136
## 634 182
             80 1185
## 635 33 103
                 343
```

```
## 636
        25
            71
                275
            32
                 68
## 637
         8
## 639
         3
             6
                 14
## 640
        59
            42
                540
## 641
        19
            33
                133
## 642
        24
            38
                124
## 643
        84
            98
                810
        73
            93
## 644
                504
## 645
         3
             5
                 19
## 646 102 134
                659
## 647 289 104 1778
## 648
        75 140
                642
                596
## 651
        61 168
#(b) We are only concerned with the categories listed above so use the
following
#code to #save only the relevant columns to a new dataframe called dfc:
#try to keep 7 columns
dfc = df[, c(13:16, 18:20)]
dfc
##
        X3P. X2P X2PA X2P.
                              FT FTA
## 1
       0.333 282
                   475 0.594 117 201 0.582
       0.143 438
                   776 0.564 264 382 0.691
## 2
## 3
       0.389 330
                   636 0.519 158 191 0.827
## 5
       0.346
              52
                   133 0.391
                              25
                                   37 0.676
## 6
       0.404
                   110 0.545
                              39
                                  45 0.867
              60
## 7
       0.000 302
                   459 0.658 171 270 0.633
## 8
       0.313
              14
                    28 0.500
                               7
                                   11 0.636
## 9
       0.250
              16
                    50 0.320
                              19
                                   29 0.655
                     9 0.444
## 10
       0.207
               4
                               2
                                    4 0.500
## 11
       0.282 133
                   246 0.541
                              52
                                  78 0.667
## 13
       0.304 596
                   945 0.631 398 629 0.633
## 15
       0.000
             24
                    38 0.632
                               7
                                   17 0.412
                   556 0.448 136 161 0.845
## 16
       0.385 249
## 17
       0.390 197
                   338 0.583
                              72 102 0.706
                    82 0.439
## 18
       0.391
              36
                              27
                                   38 0.711
## 19
       0.372
              65
                   117 0.556
                              62
                                  74 0.838
## 20
       0.352
              21
                    43 0.488
                              21
                                   27 0.778
                    74 0.595
## 21
       0.400
             44
                              41
                                  47 0.872
## 22
       0.348 114
                   260 0.438 161 181 0.890
## 23
       0.231 307
                   555 0.553
                                  89 0.753
                              67
## 24
       0.284
              66
                   177 0.373
                              35
                                   53 0.660
## 25
       0.182
              74
                   145 0.510
                              25
                                   31 0.806
## 26
       0.375 129
                   292 0.442
                              43
                                  76 0.566
                   179 0.531
## 27
       0.346
              95
                              31
                                   46 0.674
## 28
       0.376
              53
                   122 0.434
                              20
                                  22 0.909
## 29
       0.381 263
                   525 0.501 214 267 0.801
## 30
       0.320 229
                   530 0.432 156 254 0.614
## 31
       0.375 224
                   450 0.498 102 133 0.767
```

```
## 32
       0.330
                   131 0.504
                                    75 0.720
               66
                               54
## 33
       0.330
               56
                   112 0.500
                               46
                                    65 0.708
## 34
       0.333
               10
                    19 0.526
                                8
                                    10 0.800
## 35
       0.286
               14
                    32 0.438
                                9
                                    10 0.900
##
   36
       0.351 124
                   213 0.582
                               56
                                    75 0.747
       0.344 116
                   290 0.400 113 147 0.769
## 37
       0.327
               57
                   155 0.368
                               58
                                    72 0.806
## 38
       0.384
##
   39
               59
                   135 0.437
                               55
                                    75 0.733
       0.348
               76
                   176 0.432
## 40
                               43
                                    62 0.694
## 41
       0.353 423
                   822 0.515
                              385 457 0.842
## 42
       0.388 120
                   258 0.465
                               54
                                    66 0.818
               59
                   140 0.421
## 43
       0.360
                               33
                                    38 0.868
## 44
       0.426
               61
                   118 0.517
                                    28 0.750
                               21
## 45
       0.376
               56
                   136 0.412
                               48
                                    58 0.828
## 46
       0.333
               31
                    55 0.564
                               19
                                    31 0.613
## 47
       0.222
               30
                    51 0.588
                               17
                                    29 0.586
## 48
       0.667
                1
                     4 0.250
                                2
                                     2 1.000
## 49
       0.231
               89
                   163 0.546
                               26
                                    48 0.542
                                    14 0.714
## 50
       0.349
               26
                    49 0.531
                               10
## 51
       0.444
                6
                    12 0.500
                                2
                                     3 0.667
       0.324
               20
                    37 0.541
                                    11 0.727
## 52
                                8
       0.424
## 53
               65
                   138 0.471 104 122 0.852
       0.388
                   135 0.496
## 54
               67
                               31
                                    47 0.660
## 55
       0.000
               73
                   142 0.514
                               66 101 0.653
       0.190
               62
                   108 0.574
## 56
                               24
                                    33 0.727
## 58
       0.419 180
                   333 0.541
                               69
                                    84 0.821
## 59
       0.344 260
                   488 0.533 169 214 0.790
                   325 0.532
## 60
       0.372 173
                               86 116 0.741
       0.414 229
                   478 0.479 250 277 0.903
## 61
       0.444
               10
                    19 0.526
                                    10 0.800
## 62
                                8
       0.000
## 63
                4
                     7 0.571
                                2
                                     4 0.500
                2
## 64
       0.000
                     2 1.000
                                     2 0.000
                                0
## 65
       0.000
                2
                     5 0.400
                                2
                                     2 1.000
               93
                   163 0.571
                                    85 0.812
## 68
       0.352
                               69
## 69
       0.354 486
                   885 0.549
                              468 509 0.919
                   181 0.569
## 70
       0.322 103
                               91 116 0.784
       0.308 101
                   214 0.472
## 72
                               34
                                    41 0.829
## 73
       0.364 107
                   210 0.510
                               20
                                    24 0.833
       1.000 123
                   186 0.661
## 74
                               30
                                    46 0.652
   75
       0.231
                7
                    15 0.467
                                     2 0.500
##
                                1
                5
## 76
       0.111
                    13 0.385
                                4
                                     5 0.800
##
  77
       0.000
                2
                      3 0.667
                                1
                                     3 0.333
## 78
       0.361 177
                   290 0.610 103 122 0.844
##
   79
       0.330 220
                   453 0.486 106 131 0.809
## 80
       0.200
               10
                    21 0.476
                                8
                                    10 0.800
## 81
       0.392
                2
                     8 0.250
                                7
                                     8 0.875
## 82
       0.326 251
                   514 0.488 166 186 0.892
       0.358 288
                   657 0.438 164 203 0.808
## 83
## 84
       0.344 165
                   351 0.470
                               88 119 0.739
## 85
       0.333 3
                   10 0.300
                               5 5 1.000
```

```
## 86
       0.382 298
                   549 0.543 176 243 0.724
       0.324 51
## 88
                   120 0.425
                               32 40 0.800
## 89
       0.341 212
                   443 0.479 109 139 0.784
## 90
       0.358 138
                   268 0.515
                               61
                                   75 0.813
                               86 116 0.741
## 91
       0.407 206
                   327 0.630
                   113 0.469
## 92
       0.333
              53
                               17
                                   21 0.810
## 93
       0.427
               62
                   134 0.463
                               23
                                   29 0.793
       0.421
## 94
              43
                    89 0.483
                               13
                                   18 0.722
## 95
       0.432
              19
                    45 0.422
                               10
                                   11 0.909
                   467 0.439 235 265 0.887
## 96
       0.385 205
## 97
       0.375 160
                   377 0.424 201 224 0.897
       0.416
              45
                    90 0.500
## 98
                               34
                                   41 0.829
## 99
       0.189
               33
                    72 0.458
                                  14 0.571
                                8
## 100 0.244 316
                   639 0.495 438 525 0.834
## 101 0.182
               32
                    56 0.571
                                    9 0.889
                                8
## 102 0.160
               24
                    44 0.545
                                2
                                    3 0.667
## 103 0.250
                8
                    12 0.667
                                    6 1.000
                                6
## 105 0.385 145
                   268 0.541
                               79 102 0.775
## 106 0.167
                5
                     9 0.556
                               4
                                    4 1.000
## 108 0.242
               17
                    33 0.515
                               29
                                   42 0.690
## 109 0.231
                    16 0.375
                               12
                                   20 0.600
                6
## 110 0.250
               11
                    17 0.647
                               17
                                   22 0.773
## 111 0.425
               39
                    97 0.402
                               23
                                   27 0.852
## 112 0.302
               46
                   102 0.451
                               23
                                   29 0.793
## 113 0.207 177
                   314 0.564 112 152 0.737
## 114 0.293
               89
                   185 0.481
                               79
                                   95 0.832
## 115 0.333
                                   94 0.734
               80
                   171 0.468
                               69
                   301 0.581
## 116 0.000 175
                               40
                                   66 0.606
## 118 0.000
               31
                    44 0.705
                                5
                                    9 0.556
## 120 0.306
               37
                    62 0.597
                                   23 0.870
                               20
## 121 0.000
                0
                     3 0.000
                                2
                                    2 1.000
## 123 0.375
               28
                    68 0.412
                                5
                                    5 1.000
## 125 0.357
               25
                    50 0.500
                                5
                                    5 1.000
## 126 0.205 202
                   346 0.584 120 156 0.769
               15
## 127 0.351
                    22 0.682
                                9
                                   10 0.900
## 128 0.353
                5
                                    7 0.857
                     8 0.625
                                6
## 129 0.350
                    14 0.714
              10
                                3
                                    3 1.000
## 130 0.359 273
                   415 0.658
                               85 112 0.759
## 131 0.368 242
                   454 0.533 138 165 0.836
## 132 0.371
                   167 0.509
                                   86 0.884
              85
                               76
## 133 0.366 157
                   287 0.547
                               62
                                   79 0.785
## 134 0.143
               26
                    41 0.634
                               11
                                   21 0.524
## 135 0.346
               20
                    35 0.571
                               10
                                   11 0.909
## 136 0.000
                4
                    11 0.364
                                3
                                    5 0.600
## 137 0.316
              17
                    35 0.486
                                  11 0.545
                                6
## 138 0.401 294
                   458 0.642 120 150 0.800
## 139 0.368
              25
                    49 0.510
                                6
                                    8 0.750
## 140 0.375 136
                   311 0.437 115 139 0.827
## 141 0.331
              82
                   135 0.607
                               31
                                  40 0.775
## 142 0.365 60
                  129 0.465 11 14 0.786
```

```
## 146 0.335 144
                   243 0.593
                              99 124 0.798
## 147 0.346 108
                              75
                   184 0.587
                                   94 0.798
## 148 0.315
              36
                    59 0.610
                              24
                                   30 0.800
## 149 0.303
              27
                    58 0.466
                              10
                                   14 0.714
## 150 0.323
              22
                    50 0.440
                               9
                                   12 0.750
## 151 0.231
               5
                     8 0.625
                               1
                                    2 0.500
## 152 0.326
              79
                   131 0.603
                                   36 0.611
                              22
## 154 0.343
              91
                   169 0.538
                              97 125 0.776
## 155 0.293
                   133 0.519
                              75
              69
                                   95 0.789
## 156 0.445
              22
                    36 0.611
                              22
                                   30 0.733
## 157 0.299 164
                   348 0.471
                              54 117 0.462
## 158 0.452 139
                   253 0.549
                              80
                                  97 0.825
## 159 0.245
              21
                    33 0.636
                                   26 1.000
                              26
## 160 0.348
              26
                    54 0.481
                              10
                                   16 0.625
## 161 0.357
              22
                    46 0.478
                              10
                                   16 0.625
## 163 0.330 479
                   878 0.546 444 525 0.846
## 165 0.388 105
                   194 0.541
                              51
                                   59 0.864
## 166 0.206
              80
                   148 0.541
                              30
                                   36 0.833
## 167 0.197
              55
                   100 0.550
                              23
                                   28 0.821
## 168 0.222
              25
                    48 0.521
                               7
                                    8 0.875
## 169 0.231 41
                    84 0.488
                              32
                                  37 0.865
## 170 0.257 548 1014 0.540 381 451 0.845
## 171 0.333 91
                   139 0.655
                              34
                                   39 0.872
## 172 0.281 116
                   239 0.485
                              38
                                   63 0.603
## 173 0.355 112
                   212 0.528
                              78 101 0.772
## 174 0.383
              78
                   157 0.497
                              47
                                   59 0.797
## 175 0.250
             34
                    55 0.618
                              31
                                   42 0.738
## 176 0.308 301
                   621 0.485 347 446 0.778
## 177 0.336 149
                   263 0.567
                              63
                                   86 0.733
## 178 0.316 410
                   714 0.574 426 562 0.758
## 179 0.297
              56
                   117 0.479
                              42
                                   53 0.792
## 180 0.362
                   127 0.480
                              22
                                   33 0.667
              61
## 181 0.286
              64
                   138 0.464
                              31
                                   46 0.674
                   108 0.444
## 182 0.347
              48
                              21
                                   29 0.724
## 183 0.367 195
                   386 0.505 191 246 0.776
## 184 0.143 413
                   749 0.551 169 294 0.575
## 185 0.048 359
                   658 0.546 149 255 0.584
## 186 0.286
              54
                    91 0.593
                              20
                                   39 0.513
## 187 0.429
                    18 0.333
               6
                               2
                                    2 1.000
## 188 0.259 123
                   230 0.535
                              40
                                   54 0.741
## 189 0.316
              18
                    52 0.346
                              13
                                   19 0.684
## 191 0.350
              11
                    31 0.355
                              11
                                   13 0.846
## 192 0.331 325
                   629 0.517 351 435 0.807
                   190 0.553
## 193 0.325 105
                              79
                                   98 0.806
## 194 0.349
              63
                   120 0.525
                              48
                                   61 0.787
## 195 0.286
              42
                    70 0.600
                              31
                                   37 0.838
## 196 1.000
              42
                    66 0.636
                              20
                                   26 0.769
## 197 0.333
              32
                    95 0.337
                              25
                                   29 0.862
## 198 0.342
              32
                    95 0.337
                              25
                                   29 0.862
## 200 0.349 41
                  76 0.539
                              32 43 0.744
```

```
## 201 0.333
               8
                    17 0.471
                                    2 1.000
                               2
                    59 0.559
## 202 0.351
              33
                              30
                                   41 0.732
## 204 0.143 208
                   332 0.627
                              40
                                  71 0.563
## 205 0.000
              34
                    52 0.654
                                  23 0.783
                              18
## 206 0.292
              29
                    52 0.558
                              15
                                   20 0.750
## 207 0.135
                   162 0.605
              98
                              29
                                   51 0.569
## 208 0.304
              55
                   109 0.505
                              36
                                  42 0.857
## 209 0.376 129
                   219 0.589
                              78 108 0.722
## 210 0.388
             94
                   200 0.470
                              75
                                  90 0.833
## 211 0.399 261
                  495 0.527 180 220 0.818
## 212 0.292 337
                   630 0.535 241 342 0.705
## 213 0.500
                    18 0.389
               7
                               2
                                    4 0.500
## 214 0.174
               3
                     6 0.500
                               9
                                  14 0.643
## 215 0.333
              24
                    64 0.375
                              19
                                  24 0.792
## 216 0.267 323
                   637 0.507 116 159 0.730
## 217 0.300
             15
                    28 0.536
                              15
                                   22 0.682
## 218 0.125
               5
                     9 0.556
                               6
                                   10 0.600
## 219 0.417
              10
                    19 0.526
                               9
                                  12 0.750
## 221 0.405 180
                   378 0.476 266 298 0.893
## 222 0.399 104
                   211 0.493
                              73
                                  85 0.859
## 223 0.355 175
                   403 0.434
                                  72 0.875
                              63
                   131 0.473
## 224 0.385 62
                              36
                                  49 0.735
## 225 0.336 192
                   376 0.511 120 136 0.882
## 226 0.412 186
                   401 0.464 190 217 0.876
                   272 0.599
## 227 0.286 163
                              41
                                   56 0.732
## 228 0.000 139
                   249 0.558
                              38
                                  49 0.776
## 229 0.347 391
                   764 0.512 288 357 0.807
## 231 0.299 50
                   103 0.485
                              28
                                 30 0.933
## 232 0.308 262
                   530 0.494 151 224 0.674
## 233 0.317
              75
                   160 0.469
                              82 107 0.766
## 234 0.373 150
                   378 0.397 191 233 0.820
## 235 0.275
              54
                   122 0.443
                              36
                                   56 0.643
## 236 0.241
              42
                    92 0.457
                              27
                                   37 0.730
## 237 0.351
              12
                    30 0.400
                                   19 0.474
                               9
## 238 0.389 205
                   382 0.537 147 196 0.750
## 239 0.250
               8
                    19 0.421
                               5
                                    7 0.714
## 241 0.367
              77
                  147 0.524
                              33
                                  48 0.688
## 242 0.279
              87
                   187 0.465
                              63
                                  83 0.759
## 243 0.387
                   114 0.518
                              36
              59
                                  48 0.750
## 244 0.273
              54
                    93 0.581
                                  42 0.667
                              28
## 245 0.339
              97
                   161 0.602
                              73
                                   91 0.802
## 246 0.327
              41
                    91 0.451
                              49
                                   63 0.778
## 247 0.354
               56
                    70 0.800
                              24
                                   28 0.857
## 248 0.243
              61
                   139 0.439
                              76
                                  98 0.776
## 249 0.301
               37
                    74 0.500
                              24
                                   26 0.923
## 251 0.287 229
                  458 0.500 116 140 0.829
## 252 0.235
               2
                    13 0.154
                               4
                                    8 0.500
## 256 0.667
                     6 0.333
                                    2 1.000
               2
                               2
## 257 0.398 180
                  371 0.485 149 182 0.819
## 258 0.355 373 671 0.556 692 800 0.865
```

```
## 259 0.347 108
                  185 0.584
                              39
                                  66 0.591
                   144 0.590
## 260 0.370 85
                              24
                                  42 0.571
## 261 0.280 23
                   41 0.561
                              15
                                  24 0.625
## 263 0.000 471
                  794 0.593 231 351 0.658
## 264 0.333 148
                   309 0.479
                              75
                                  92 0.815
## 265 0.424 209
                   378 0.553
                              64
                                 89 0.719
## 266 0.367 422
                  816 0.517 174 216 0.806
## 267 0.381 61
                  123 0.496
                              39
                                  50 0.780
## 268 0.342 104
                   178 0.584
                              85 115 0.739
## 269 0.000
              44
                   62 0.710
                              19
                                  28 0.679
## 270 0.333
               3
                     8 0.375
                               3
                                   4 0.750
## 271 0.250 173
                  255 0.678 123 190 0.647
## 272 0.383 265
                  478 0.554 124 145 0.855
## 273 0.222
              87
                  135 0.644
                              23
                                  46 0.500
## 274 0.194
              55
                   89 0.618
                              17
                                  33 0.515
## 275 0.400
              32
                   46 0.696
                                  13 0.462
                               6
## 276 0.500
               4
                   12 0.333
                               3
                                   5 0.600
## 277 0.341
              56
                  118 0.475
                                  71 0.620
                              44
## 278 0.250
              23
                   50 0.460
                              16
                                  25 0.640
## 279 0.420
              33
                   68 0.485
                              28
                                  46 0.609
## 280 0.227
              69
                  117 0.590
                              37
                                  59 0.627
                  333 0.462
## 281 0.389 154
                              87 100 0.870
## 283 0.308
                  140 0.486
                                  59 0.814
              68
                              48
## 284 0.394 227
                  474 0.479 115 136 0.846
                  200 0.565
## 285 0.460 113
                              85 101 0.842
## 286 0.368
              47
                   107 0.439
                              40
                                  54 0.741
              40
## 287 0.381
                   86 0.465
                              26
                                  38 0.684
## 288 0.292
               7
                   21 0.333
                              14
                                  16 0.875
## 289 0.000
             15
                   29 0.517
                               8
                                  13 0.615
## 290 0.394 146
                   342 0.427
                              74
                                 87 0.851
## 291 0.353 336
                  660 0.509 129 182 0.709
## 292 0.405 74
                  155 0.477
                              53 67 0.791
## 293 0.130 152
                   306 0.497 105 143 0.734
## 295 0.493 52
                   101 0.515
                              21
                                  27 0.778
## 296 0.350 220
                  426 0.516
                              61
                                  80 0.763
## 297 0.308 10
                   17 0.588
                                   4 0.500
                               2
## 298 0.363 101
                  184 0.549
                              73
                                 90 0.811
## 299 0.600 199
                  272 0.732 110 214 0.514
## 301 0.380 125
                   276 0.453
                              53 64 0.828
## 302 0.355 172
                   379 0.454 110 144 0.764
## 303 0.316 68
                  137 0.496
                              46
                                  78 0.590
## 304 0.385 273
                  488 0.559
                              89 124 0.718
## 305 0.298 24
                   41 0.585
                               6
                                  15 0.400
                  176 0.545
## 306 0.365 96
                              72
                                  87 0.828
## 307 0.399 105
                  200 0.525
                                  94 0.787
                              74
## 308 0.391 357
                  712 0.501 313 368 0.851
## 309 0.394 143
                  274 0.522
                              94 102 0.922
## 310 0.340 124
                  238 0.521
                              60
                                  77 0.779
## 311 0.341 69
                  151 0.457
                              78
                                  97 0.804
                  187 0.465 56 75 0.747
## 312 0.326 87
```

```
## 313 0.394 208
                   385 0.540 139 186 0.747
                               35
## 314 0.319
               47
                    87 0.540
                                   50 0.700
## 315 0.294
               87
                   178 0.489
                               42
                                   50 0.840
## 316 0.393
               77
                   181 0.425
                               45
                                   54 0.833
## 317 0.378
               45
                   116 0.388
                               26
                                   33 0.788
## 318 0.413
                    65 0.492
               32
                               19
                                   21 0.905
## 319 0.310
               26
                    55 0.473
                               10
                                   21 0.476
## 320 0.348 495
                   878 0.564
                              264 381 0.693
## 322 0.278
               15
                    22 0.682
                                5
                                    6 0.833
                               12
## 323 0.280
               24
                    63 0.381
                                   16 0.750
## 324 0.375
                9
                    21 0.429
                                7
                                   10 0.700
## 325 0.333
                    23 0.261
                                   10 0.900
                6
                                9
## 326 0.390
               70
                   133 0.526
                                   57 0.807
                               46
## 327 0.363
               70
                   124 0.565
                               31
                                   48 0.646
## 328 0.356
                    42 0.548
                                   14 0.571
               23
                                8
## 329 0.370
               47
                    82 0.573
                               23
                                   34 0.676
## 330 0.591
               40
                    67 0.597
                               35
                                   44 0.795
## 331 0.292
               15
                    35 0.429
                                9
                                   16 0.563
## 332 0.319
               59
                   131 0.450
                               42
                                   50 0.840
## 333 0.289
               41
                    88 0.466
                               24
                                   32 0.750
## 334 0.389
              18
                    43 0.419
                                   18 1.000
                               18
                   816 0.594 246 301 0.817
## 335 0.314 485
## 336 0.222 119
                   169 0.704
                                   84 0.738
                               62
## 337 0.280 147
                   217 0.677
                               95 123 0.772
## 338 0.379 150
                   305 0.492
                               43
                                   58 0.741
## 340 0.352 115
                   253 0.455
                               60
                                   70 0.857
                                    5 1.000
## 341 0.450
                5
                    12 0.417
                                5
## 342 0.331
               97
                   183 0.530
                               61
                                   90 0.678
## 343 0.143 198
                   341 0.581
                               70
                                   99 0.707
## 344 0.399
               78
                   159 0.491
                                   75 0.893
                               67
## 346 0.250
               17
                    46 0.370
                               11
                                   14 0.786
## 347 0.294
               13
                    36 0.361
                                7
                                    9 0.778
## 348 0.000
                4
                    10 0.400
                                4
                                    5 0.800
## 349 0.364
                    10 0.400
                                    3 0.000
                4
                                0
## 350 0.373 118
                   195 0.605
                               79
                                   93 0.849
## 351 0.344
               14
                               20
                                   34 0.588
                    36 0.389
## 352 0.297
                9
                    22 0.409
                                   13 0.308
                                4
## 353 0.388
                5
                    14 0.357
                                   21 0.762
                               16
## 354 0.327
               79
                   202 0.391
                               66 101 0.653
## 355 0.500
               19
                    27 0.704
                                    2 0.500
                                1
## 356 0.402
               99
                   207 0.478
                               77 102 0.755
## 357 0.287
               51
                    79 0.646
                               20
                                   28 0.714
## 358 0.418
               27
                    56 0.482
                               35
                                   41 0.854
## 359 0.367
                    87 0.529
               46
                               24
                                   38 0.632
## 360 0.316 205
                   396 0.518 114 155 0.735
                                   33 0.758
## 361 0.231
               78
                   134 0.582
                               25
## 362 0.335 163
                   321 0.508
                               92 110 0.836
                    53 0.434
## 363 0.185
               23
                               18
                                   25 0.720
## 364 0.380 355
                   715 0.497 268 334 0.802
## 365 0.143 5
                  11 0.455
                              2 6 0.333
```

```
## 366 0.333
              57
                   107 0.533
                                   32 0.750
                              24
                                7
## 367 0.278
               31
                    68 0.456
                                   16 0.438
## 368 0.000
               4
                     6 0.667
                                2
                                    2 1.000
## 369 0.447
              19
                    35 0.543
                                    7 0.857
                                6
## 370 0.356 128
                   272 0.471 110 126 0.873
## 371 0.271 161
                   260 0.619
                              68 105 0.648
## 372 0.250 128
                   204 0.627
                              51
                                   81 0.630
## 373 0.667
              33
                    56 0.589
                              17
                                   24 0.708
## 374 0.378 409
                   808 0.506 356 402 0.886
## 375 0.414 66
                   106 0.623
                              18
                                   28 0.643
                   512 0.451 140 197 0.711
## 376 0.364 231
## 377 0.401 354
                   675 0.524 460 518 0.888
## 378 0.237
              51
                    92 0.554
                              28
                                  44 0.636
## 379 0.071 28
                    65 0.431
                                9
                                 12 0.750
  380 0.314 190
                   346 0.549 127 152 0.836
##
## 381 0.333 112
                   194 0.577
                              28
                                   53 0.528
## 382 0.374 181
                   337 0.537 187 219 0.854
## 383 0.352 170
                   337 0.504 294 343 0.857
## 384 0.388
              55
                   109 0.505
                              69
                                  81 0.852
## 385 0.387
               88
                   175 0.503
                              33
                                   45 0.733
## 388 0.250
               4
                    11 0.364
                                    2 0.500
                               1
## 389 0.192
                   184 0.538
              99
                              70 113 0.619
## 390 0.344
              71
                   129 0.550
                              73 110 0.664
## 391 0.350
              30
                    59 0.508
                              18
                                   27 0.667
## 392 0.235 117
                   194 0.603
                              43
                                   57 0.754
## 393 0.344 142
                   274 0.518 126 153 0.824
## 394 0.541
              17
                    47 0.362
                              17
                                   21 0.810
## 395 0.234
              71
                   130 0.546
                              42
                                   65 0.646
## 396 0.278
              19
                    35 0.543
                                   14 0.786
                              11
              46
## 397 0.260
                    85 0.541
                               30
                                   31 0.968
## 398 0.286
              17
                    30 0.567
                               10
                                   17 0.588
## 399 0.413
               5
                    10 0.500
                              31
                                   34 0.912
## 400 0.364
               59
                   125 0.472
                               52
                                   68 0.765
## 401 0.000
                2
                     3 0.667
                                    2 0.500
                                1
## 402 0.324
              44
                    91 0.484
                              13
                                   18 0.722
## 403 0.379 417
                   844 0.494 140 185 0.757
## 404 0.294 207
                   394 0.525
                               35
                                   42 0.833
## 405 0.375
              24
                    46 0.522
                              14
                                   17 0.824
## 406 0.435 139
                   253 0.549
                              48
                                   58 0.828
## 407 0.500 192
                   300 0.640
                                   82 0.646
                              53
## 408 0.270
              48
                    92 0.522
                               19
                                   34 0.559
## 409 0.215
               59
                   106 0.557
                               22
                                   31 0.710
## 410 0.382
               58
                   102 0.569
                               26
                                   39 0.667
## 411 0.400
                                   67 0.746
              61
                    93 0.656
                               50
## 412 0.357 104
                   240 0.433
                               83 109 0.761
## 413 0.377
               93
                   211 0.441
                              64
                                   83 0.771
## 414 0.500
               0
                     2 0.000
                                3
                                    4 0.750
                                   22 0.727
## 415 0.188
                    27 0.407
              11
                              16
## 416 0.335
              67
                   117 0.573
                               54
                                   73 0.740
## 417 0.286 121
                   261 0.464
                              93 121 0.769
```

```
## 418 0.000 24
                   40 0.600
                             10 13 0.769
## 419 0.415 324
                   593 0.546 208 227 0.916
## 421 0.314
               8
                    24 0.333
                              15
                                   20 0.750
## 422 0.364
                4
                     7 0.571
                                3
                                    8 0.375
## 423 0.382 104
                   195 0.533
                              97 112 0.866
                   314 0.500 115 141 0.816
## 424 0.435 157
## 425 0.430
              76
                   142 0.535
                              51 65 0.785
## 426 0.366 429
                   869 0.494 278 322 0.863
## 428 0.400
                    13 0.462
                                2
                                    4 0.500
                              82 100 0.820
## 429 0.284 154
                   284 0.542
## 431 0.377 123
                   270 0.456
                              31
                                   45 0.689
## 432 0.335 387
                   758 0.511 239 308 0.776
## 433 0.375
                    18 0.667
                                    4 0.750
              12
                                3
## 434 0.408 213
                   462 0.461 181 220 0.823
## 435 0.439 165
                   372 0.444 163 198 0.823
## 436 0.310 48
                    90 0.533
                              18
                                   22 0.818
## 437 0.386 115
                   230 0.500
                              66
                                   85 0.776
## 438 0.397 100
                   200 0.500
                                   79 0.772
                              61
## 439 0.333
             15
                    30 0.500
                               5
                                    6 0.833
## 440 0.378 195
                   394 0.495
                               75
                                   89 0.843
## 441 1.000
              10
                    14 0.714
                                    7 0.714
                                5
## 442 0.345 121
                   240 0.504
                              63
                                   83 0.759
## 443 0.308
                    15 0.667
                                   12 0.750
              10
                               9
## 444 0.369 253
                   526 0.481
                              91 114 0.798
                   570 0.519 163 185 0.881
## 445 0.346 296
## 446 0.244
              45
                    94 0.479
                              45
                                   60 0.750
## 447 0.378
              23
                    46 0.500
                              18
                                   22 0.818
                   120 0.425
## 448 0.404
               51
                              57
                                   70 0.814
## 449 0.375
              75
                   135 0.556
                              51
                                   66 0.773
## 450 0.352 173
                   272 0.636
                               50
                                   74 0.676
## 451 0.317 112
                   216 0.519
                             126 153 0.824
## 452 0.296
              67
                   124 0.540
                              72
                                   88 0.818
## 453 0.358
              45
                    92 0.489
                              54
                                   65 0.831
## 454 0.386
                   134 0.500
                                   47 0.830
               67
                               39
## 455 0.000
                                    2 1.000
               0
                     1 0.000
                                2
## 456 0.400
               51
                    97 0.526
                                   24 0.833
                               20
## 458 0.333 183
                   266 0.688
                               80 106 0.755
## 459 0.375
                0
                     4 0.000
                                1
                                    1 1.000
## 461 0.375
                0
                     3 0.000
                                    1 1.000
                                1
## 462 0.115
               16
                    27 0.593
                                   17 0.941
                              16
## 463 0.321
               87
                   196 0.444
                               51
                                   59 0.864
## 464 0.350 264
                   523 0.505
                               85 100 0.850
               52
## 465 0.200
                    99 0.525
                               31
                                   35 0.886
## 466 0.429
               25
                    43 0.581
                               18
                                   27 0.667
## 467 0.377
               66
                   121 0.545
                              42
                                   55 0.764
               35
## 468 0.259
                    58 0.603
                              11
                                   20 0.550
## 469 0.378
               32
                    69 0.464
                               28
                                   32 0.875
## 470 0.333 100
                   159 0.629
                              40
                                   62 0.645
## 471 0.352
              47
                   110 0.427
                              50
                                  71 0.704
                  244 0.529 152 191 0.796
## 472 0.266 129
```

```
## 473 0.000
              3
                  4 0.750
                                    2 0.500
                              1
## 474 0.317
               64
                   142 0.451
                               48
                                   59 0.814
## 475 0.406
              89
                   164 0.543
                              86 100 0.860
## 476 0.368
                5
                    13 0.385
                               4
                                    5 0.800
## 477 0.383 143
                   288 0.497
                              63
                                  94 0.670
                   519 0.511 192 246 0.780
## 478 0.352 265
## 479 0.000
               1
                     3 0.333
                               2
                                    2 1.000
               8
## 480 0.429
                    15 0.533
                               0
                                    1 0.000
                   310 0.603
## 481 0.269 187
                              61
                                   81 0.753
## 482 0.270 167
                   278 0.601
                               53
                                   72 0.736
## 483 0.250
             20
                    32 0.625
                               8
                                    9 0.889
                   511 0.550 164 212 0.774
## 485 0.287 281
## 486 0.000
                   113 0.540
                              34
                                   58 0.586
              61
## 487 0.390
              28
                    61 0.459
                              35
                                   43 0.814
## 489 0.365 323
                   583 0.554 253 279 0.907
## 490 0.517
              18
                    39 0.462
                                   7 0.857
                               6
## 491 0.203 179
                   371 0.482
                              49
                                   86 0.570
## 492 0.283
               35
                    70 0.500
                                    8 0.500
                               4
## 493 0.000
              25
                    47 0.532
                               7
                                   14 0.500
## 494 0.188
               30
                    75 0.400
                              15
                                   16 0.938
## 495 0.000 177
                   283 0.625
                              83 155 0.535
                    34 0.471
## 497 0.500
              16
                               6
                                    7 0.857
## 498 0.500
                2
                     3 0.667
                                    2 1.000
                               2
## 499 0.279
              93
                   237 0.392
                              95 119 0.798
## 500 0.335 133
                   263 0.506
                              73 101 0.723
## 501 0.422 133
                   236 0.564
                              60
                                  72 0.833
## 502 0.387 38
                    78 0.487
                              19
                                   27 0.704
## 503 0.358 198
                   402 0.493
                              71
                                   93 0.763
## 504 0.352 256
                   529 0.484 226 283 0.799
## 505 0.256 136
                   190 0.716
                              74 111 0.667
## 506 0.399 187
                   325 0.575 129 153 0.843
## 507 0.339 132
                   308 0.429
                              71
                                  89 0.798
## 508 0.000
                     2 0.000
                               5
                                    6 0.833
## 509 0.277 399
                   775 0.515 258 352 0.733
## 510 0.000
                     7 0.429
               3
                               2
                                    2 1.000
## 511 0.332 130
                   304 0.428 101 126 0.802
## 512 0.453 106
                   234 0.453 165 185 0.892
## 513 0.330 68
                   146 0.466
                             37
                                   53 0.698
## 514 0.341 193
                   397 0.486 114 141 0.809
## 515 0.356 115
                   231 0.498
                              78 111 0.703
## 516 0.214
                    15 0.333
                               1
                                    2 0.500
## 517 0.446
              53
                    81 0.654
                              67
                                   72 0.931
## 518 0.391 211
                   395 0.534
                              74
                                   86 0.860
## 519 0.400 176
                   337 0.522
                              63
                                   74 0.851
## 520 0.333
               35
                    58 0.603
                                   12 0.917
                              11
## 521 0.320
              66
                   157 0.420
                              40
                                   57 0.702
## 522 0.284
              27
                    69 0.391
                              11
                                   19 0.579
## 523 0.349
               39
                    88 0.443
                              29
                                   38 0.763
## 527 0.328
              96
                   203 0.473
                              27
                                   41 0.659
## 528 0.306 324
                  606 0.535 121 139 0.871
```

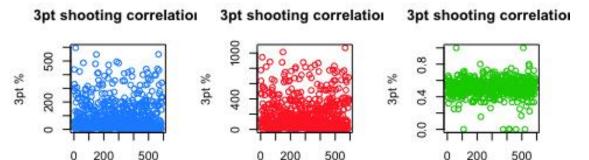
```
## 529 0.351 164
                  342 0.480 157 184 0.853
## 530 0.407 226
                   518 0.436 166 190 0.874
## 531 0.361 209
                  476 0.439 195 226 0.863
## 532 0.367 202
                  415 0.487 161 199 0.809
## 533 0.374 153
                   314 0.487 113 144 0.785
## 534 0.345 49
                   101 0.485
                             48 55 0.873
## 535 0.254 441
                   781 0.565 214 296 0.723
## 536 0.375
                     8 0.250
                               3
                                   4 0.750
## 537 0.154 66
                   102 0.647
                              18
                                 27 0.667
## 538 0.357 172
                   303 0.568 108 128 0.844
## 539 0.322 173
                   352 0.491 106 121 0.876
                   31 0.516
## 540 0.311 16
                             10
                                 15 0.667
## 541 0.385 328
                  640 0.513 198 236 0.839
## 542 0.369
              69
                   133 0.519
                              30
                                  37 0.811
## 543 0.278
              22
                   37 0.595
                               3
                                   8 0.375
## 544 0.380 416
                   831 0.501 226 267 0.846
## 545 0.375
              47
                   95 0.495
                              65
                                  76 0.855
## 546 0.333
               1
                     6 0.167
                                   4 0.750
                               3
## 547 0.242
              13
                   31 0.419
                               4
                                   7 0.571
## 548 0.359 369
                   739 0.499 240 303 0.792
## 549 0.000 48
                   75 0.640
                              37
                                  55 0.673
## 550 0.286 373
                   640 0.583 185 298 0.621
## 551 0.332 139
                   310 0.448
                              76
                                  92 0.826
## 552 0.231 17
                   27 0.630
                              16
                                  19 0.842
## 553 0.347 119
                   287 0.415 127 152 0.836
## 554 0.296
              56
                   157 0.357
                              27
                                  53 0.509
## 555 0.367 246
                   520 0.473
                              62
                                  86 0.721
                   11 0.545
## 556 0.091
               6
                               2
                                   2 1.000
## 557 0.000
               3
                     8 0.375
                               2
                                   4 0.500
## 558 0.402
                  128 0.531
                                  32 1.000
              68
                              32
## 559 0.391
              84
                  185 0.454
                              73
                                  92 0.793
## 560 0.000
               2
                    2 1.000
                                   1 1.000
                               1
## 561 0.264
              47
                   89 0.528
                              16
                                  29 0.552
## 562 0.000
              28
                   45 0.622
                               9
                                  17 0.529
## 564 0.000
              26
                   41 0.634
                               8
                                  15 0.533
## 565 0.403 363
                  757 0.480 254 313 0.812
## 566 0.368 170
                   372 0.457 172 197 0.873
## 567 0.379 112
                   237 0.473 125 144 0.868
## 568 0.333
                  135 0.430
              58
                              47
                                  53 0.887
## 569 0.329
              95
                   201 0.473
                                  87 0.805
                              70
## 570 0.333 209
                   330 0.633
                              87 114 0.763
## 571 0.413
              96
                   237 0.405
                              62
                                  76 0.816
## 572 0.357
               0
                     3 0.000
                               2
                                   4 0.500
## 573 0.308
               4
                   10 0.400
                               4
                                   4 1.000
## 574 0.475
                   51 0.510
                               9
                                 12 0.750
              26
                              99 161 0.615
## 575 0.391 279
                   539 0.518
## 576 0.500
               4
                     7 0.571
                               2
                                   4 0.500
## 577 0.357
                  108 0.519
               56
                              25
                                  41 0.610
## 578 0.338
              16
                   37 0.432
                              21
                                  29 0.724
## 579 0.337
              13
                  28 0.464
                             13 19 0.684
```

```
## 580 0.133
                     2 0.500
                                    2 0.500
               1
                               1
                2
## 581 0.415
                     7 0.286
                               7
                                    8 0.875
## 582 0.348
              21
                    40 0.525
                               3
                                    5 0.600
## 583 0.412 202
                   345 0.586 180 226 0.796
## 584 0.418
              84
                   173 0.486
                              37
                                   45 0.822
                    53 0.604
## 585 0.358
              32
                              34
                                   43 0.791
## 586 0.358
              70
                   127 0.551
                              39
                                   48 0.813
## 587 0.176
              17
                    26 0.654
                              19
                                   23 0.826
## 588 0.000
              25
                                   14 0.857
                    62 0.403
                              12
                   337 0.540 127 169 0.751
## 589 0.344 182
## 590 0.333
                4
                     9 0.444
                               2
                                    2 1.000
## 591 0.000
                     3 0.333
                1
                               2
                                    2 1.000
## 593 0.352 400
                   648 0.617 148 200 0.740
## 594 0.336
              51
                   100 0.510
                               6
                                    8 0.750
## 595 0.000
               5
                     7 0.714
                               2
                                    2 1.000
## 598 0.390 173
                   399 0.434 168 198 0.848
## 600 0.200
              49
                    77 0.636
                              25
                                   32 0.781
              45
## 601 0.143
                    72 0.625
                              23
                                   28 0.821
## 602 1.000
               4
                     5 0.800
                               2
                                    4 0.500
## 603 0.339 395
                   744 0.531 131 167 0.784
## 604 0.500
               7
                     9 0.778
                                    1 0.000
                               0
## 605 0.313 120
                   186 0.645
                              78
                                  95 0.821
## 606 0.319
                    52 0.500
              26
                              14
                                   17 0.824
## 607 0.471
                2
                     9 0.222
                               0
                                    1 0.000
                    43 0.558
## 608 0.233
              24
                              14
                                   16 0.875
## 609 0.381 198
                   416 0.476 209 242 0.864
## 610 0.406 111
                   256 0.434
                              44
                                   61 0.721
                    29 0.448
## 611 0.067
              13
                              11
                                   17 0.647
## 612 0.417
                8
                    15 0.533
                               7
                                    9 0.778
## 613 0.429
               8
                    15 0.533
                               7
                                    9 0.778
## 615 0.363 125
                   260 0.481 126 136 0.926
## 616 0.403 443
                   771 0.575 167 204 0.819
## 617 0.374 182
                   359 0.507
                              88 136 0.647
## 618 0.375
                                    8 0.375
              12
                    26 0.462
                               3
## 619 0.167
              10
                    25 0.400
                               8
                                    8 1.000
## 620 0.333
               6
                    14 0.429
                               7
                                    9 0.778
## 622 0.444
                    10 0.600
                               7
                                    9 0.778
               6
## 623 0.200
               4
                    12 0.333
                               1
                                    2 0.500
## 624 0.258 549 1068 0.514 290 380 0.763
## 625 0.354 179
                   416 0.430 102 129 0.791
## 626 0.366 174
                   336 0.518 180 211 0.853
## 627 0.571 432
                   695 0.622 164 239 0.686
## 628 0.332 326
                   644 0.506 190 268 0.709
## 629 0.331 260
                   515 0.505 149 207 0.720
## 630 0.339
                   129 0.512
              66
                              41
                                   61 0.672
                                   54 0.722
## 631 0.250
              63
                   115 0.548
                              39
## 632 0.000
              19
                    32 0.594
                               7
                                   13 0.538
## 633 0.258
              26
                    50 0.520
                               9
                                  26 0.346
## 634 0.352 280
                   621 0.451 292 339 0.861
## 635 0.359 63
                  111 0.568 49 57 0.860
```

```
## 636 0.376 50
                  93 0.538 43
                                50 0.860
## 637 0.308 13
                  18 0.722
                             6
                                 7 0.857
## 639 0.286
             3
                  9 0.333
                             2
                                 2 1.000
## 640 0.429 204
                 346 0.590 114 178 0.640
## 641 0.247 34
                  59 0.576 11
                                18 0.611
## 642 0.222 44
                 102 0.431
                           18 27 0.667
## 643 0.386 234
                 368 0.636 180 242 0.744
## 644 0.370 143
                 284 0.504
                           77 100 0.770
## 645 0.200
                 10 0.500
                            3
                                 4 0.750
## 646 0.356 190
                 379 0.501 42 72 0.583
## 647 0.361 341
                 681 0.501 481 559 0.860
## 648 0.240 233
                 404 0.577 122 179 0.682
## 651 0.000 236 383 0.616 124 166 0.747
```

4. Generate six scatter plots. Each will have 3-point percentage (column 1) as the y-axis and the x-axis will be one of each of the other columns in dfc. Recall that the basic function for scat ter plots is plot(x, y).

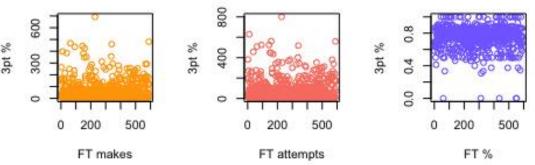
```
#(a) (b) We will be using a for-loop to populate the plots. Each plot will
have the same title:
colours = c("dodgerblue", "firebrick1", "green3", "orange", "salmon",
"slateblue1")
cnames = c("2pt makes", "2pt attempts", "2pt %", "FT makes", "FT attempts",
"FT %")
par(mfrow = c(2,3))
dim(dfc)
## [1] 591
            7
n<-dim(dfc)[1]</pre>
m<-dim(dfc)[2]</pre>
#TO get 6 plots
for(i in 2:m){
  plot(dfc[,i],col = colours[i-1], xlab = cnames[i-1], ylab = "3pt %",
       main = "3pt shooting correlation")
}
```



## 3pt shooting correlation 3pt shooting correlation 3pt shooting correlation

2pt attempts

2pt %



#"3pt Shooting Correlation.", and same y-axis label, "3pt %". Each plot should be a

#different color and each x-axis should be properly labeled with the appropriate category.

#You may use the following code to set up vectors for different colours and labels:

#• colours = c("dodgerblue", "firebrick1", "green3", "orange", "salmon",
"slateblue1")

#• cnames = c("2pt makes", "2pt attempts", "2pt %", "FT makes", "FT
attempts", "FT %")

#(c) Write a for-loop that produces the six necessary scatter plots. Above the for-loop code,

#use the following to set up a grid so that your plots are presented nicely: par(mfrow = c(2, 3))

5. Use a for-loop to calculate the correlations between 3pt % and each of the other columns.

#(a) Create an empty numeric vector to store the correlations and name it cor vec.

cor\_vec<- numeric()</pre>

2pt makes

#(b) Write a for-loop to populate cor\_vec with the corresponding correlations.

for(i in 1:m){

```
cor_vec[i] = cor(dfc[,1],dfc[,i])
}
cor_vec
## [1] 1.00000000 0.09377243 0.11069183 -0.04220238 0.11588018
0.09440999
## [7] 0.13846909
#(c) Run the following code to properly name the elements in cor_vec:
names(cor_vec) = c("3pt %",cnames)
#(d) Print out cor_vec.
cor_vec
##
         3pt %
                  2pt makes 2pt attempts
                                              2pt %
                                                        FT makes FT
attempts
    1.00000000
                 0.09377243
                             0.11069183 -0.04220238 0.11588018
0.09440999
##
          FT %
## 0.13846909
```