Testing average cycles for selfish strength 2.5  
Number of cycles run: 15035  
Number of cycles run: 11587  
Number of cycles run: 6637  
Number of cycles run: 6673  
Number of cycles run: 2526  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 20946  
Number of cycles run: 4971  
Number of cycles run: 45002  
Number of cycles run: 6040  
Number of cycles run: 8442  
Number of cycles run: 10165  
Number of cycles run: 6127  
Number of cycles run: 11343  
Number of cycles run: 5578  
Number of cycles run: 39826  
Number of cycles run: 5083  
Number of cycles run: 7945  
Number of cycles run: 33980  
Number of cycles run: 8562  
Number of cycles run: 6503  
Number of cycles run: 1577  
Number of cycles run: 8255  
Number of cycles run: 11355  
Number of cycles run: 699  
Number of cycles run: 12577  
Number of cycles run: 10524  
Number of cycles run: 4454  
Number of cycles run: 19249  
Number of cycles run: 50000  
Number of cycles run: 6820  
Number of cycles run: 9989  
Number of cycles run: 4837  
Number of cycles run: 7716  
Number of cycles run: 6767  
Number of cycles run: 6083  
Number of cycles run: 22271  
Number of cycles run: 533  
Number of cycles run: 1060  
Number of cycles run: 10633  
Number of cycles run: 1084  
Number of cycles run: 4982  
Number of cycles run: 7991  
Number of cycles run: 10822  
Number of cycles run: 50000  
Number of cycles run: 1716  
Number of cycles run: 9158  
Number of cycles run: 9154  
Number of cycles run: 3040  
Av cycles for selfish strength 2.5 is 13126  
standard diviation is 14179.041272690234  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 50000  
Number of cycles run: 7580  
Number of cycles run: 13698  
Number of cycles run: 1338  
Number of cycles run: 3031  
Number of cycles run: 801  
Number of cycles run: 7924  
Number of cycles run: 5185  
Number of cycles run: 1025  
Number of cycles run: 9924  
Number of cycles run: 27235  
Number of cycles run: 8428  
Number of cycles run: 9953  
Number of cycles run: 19133  
Number of cycles run: 649  
Number of cycles run: 14612  
Number of cycles run: 3463  
Number of cycles run: 4239  
Number of cycles run: 1521  
Number of cycles run: 9096  
Number of cycles run: 31634  
Number of cycles run: 8878  
Number of cycles run: 27638  
Number of cycles run: 18903  
Number of cycles run: 7182  
Number of cycles run: 5665  
Number of cycles run: 770  
Number of cycles run: 11585  
Number of cycles run: 771  
Number of cycles run: 9597  
Number of cycles run: 12814  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9171  
Number of cycles run: 8016  
Number of cycles run: 15859  
Number of cycles run: 11481  
Number of cycles run: 50000  
Number of cycles run: 1310  
Number of cycles run: 8840  
Number of cycles run: 4632  
Number of cycles run: 50000  
Number of cycles run: 11853  
Number of cycles run: 16184  
Number of cycles run: 8116  
Number of cycles run: 15577  
Number of cycles run: 50000  
Number of cycles run: 2390  
Number of cycles run: 3933  
Number of cycles run: 16593  
Av cycles for selfish strength 2.5 is 14364  
standard diviation is 15018.558386495404  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 13878  
Number of cycles run: 4994  
Number of cycles run: 2869  
Number of cycles run: 469  
Number of cycles run: 6775  
Number of cycles run: 18013  
Number of cycles run: 13873  
Number of cycles run: 8982  
Number of cycles run: 50000  
Number of cycles run: 46796  
Number of cycles run: 692  
Number of cycles run: 10100  
Number of cycles run: 1695  
Number of cycles run: 50000  
Number of cycles run: 43105  
Number of cycles run: 37548  
Number of cycles run: 23696  
Number of cycles run: 10684  
Number of cycles run: 50000  
Number of cycles run: 570  
Number of cycles run: 7082  
Number of cycles run: 1259  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8540  
Number of cycles run: 50000  
Number of cycles run: 22619  
Number of cycles run: 603  
Number of cycles run: 50000  
Number of cycles run: 14218  
Number of cycles run: 7984  
Number of cycles run: 19536  
Number of cycles run: 4382  
Number of cycles run: 8128  
Number of cycles run: 1048  
Number of cycles run: 19371  
Number of cycles run: 9756  
Number of cycles run: 50000  
Number of cycles run: 7480  
Number of cycles run: 6129  
Number of cycles run: 12336  
Number of cycles run: 8600  
Number of cycles run: 50000  
Number of cycles run: 29183  
Number of cycles run: 578  
Number of cycles run: 701  
Number of cycles run: 22197  
Number of cycles run: 21573  
Number of cycles run: 861  
Number of cycles run: 7154  
Av cycles for selfish strength 2.5 is 18721  
standard diviation is 18130.85501547693  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 5128  
Number of cycles run: 4374  
Number of cycles run: 16862  
Number of cycles run: 29774  
Number of cycles run: 11777  
Number of cycles run: 23620  
Number of cycles run: 50000  
Number of cycles run: 5447  
Number of cycles run: 50000  
Number of cycles run: 10090  
Number of cycles run: 2907  
Number of cycles run: 6081  
Number of cycles run: 2110  
Number of cycles run: 1433  
Number of cycles run: 3341  
Number of cycles run: 22388  
Number of cycles run: 7520  
Number of cycles run: 11468  
Number of cycles run: 11820  
Number of cycles run: 616  
Number of cycles run: 2516  
Number of cycles run: 9245  
Number of cycles run: 25667  
Number of cycles run: 30213  
Number of cycles run: 13858  
Number of cycles run: 7628  
Number of cycles run: 12266  
Number of cycles run: 9674  
Number of cycles run: 1285  
Number of cycles run: 38850  
Number of cycles run: 15074  
Number of cycles run: 7270  
Number of cycles run: 9886  
Number of cycles run: 6738  
Number of cycles run: 1334  
Number of cycles run: 21589  
Number of cycles run: 8484  
Number of cycles run: 50000  
Number of cycles run: 9911  
Number of cycles run: 6982  
Number of cycles run: 13001  
Number of cycles run: 6683  
Number of cycles run: 6113  
Number of cycles run: 12669  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 10406  
Number of cycles run: 16268  
Number of cycles run: 50000  
Number of cycles run: 34025  
Av cycles for selfish strength 2.5 is 16287  
standard diviation is 15248.312216659742  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 13080  
Number of cycles run: 2490  
Number of cycles run: 4964  
Number of cycles run: 33773  
Number of cycles run: 1329  
Number of cycles run: 9000  
Number of cycles run: 5575  
Number of cycles run: 7088  
Number of cycles run: 12510  
Number of cycles run: 5278  
Number of cycles run: 50000  
Number of cycles run: 10115  
Number of cycles run: 21702  
Number of cycles run: 2660  
Number of cycles run: 6937  
Number of cycles run: 7742  
Number of cycles run: 5961  
Number of cycles run: 9730  
Number of cycles run: 481  
Number of cycles run: 7865  
Number of cycles run: 38973  
Number of cycles run: 3144

Number of cycles run: 11436  
Number of cycles run: 15527  
Number of cycles run: 7514  
Number of cycles run: 2037  
Number of cycles run: 3615  
Number of cycles run: 1017  
Number of cycles run: 6187  
Number of cycles run: 5122  
Number of cycles run: 529  
Number of cycles run: 6972  
Number of cycles run: 12509  
Number of cycles run: 19010  
Number of cycles run: 9039  
Number of cycles run: 13868  
Number of cycles run: 780  
Number of cycles run: 6260  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 1374  
Number of cycles run: 13213  
Number of cycles run: 8330  
Number of cycles run: 10062  
Number of cycles run: 7744  
Number of cycles run: 7351  
Number of cycles run: 12484  
Number of cycles run: 11043  
Number of cycles run: 12248  
Number of cycles run: 25912  
Av cycles for selfish strength 2.5 is 11831  
standard diviation is 12415.564303711364  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 9636  
Number of cycles run: 50000  
Number of cycles run: 4613  
Number of cycles run: 1839  
Number of cycles run: 4131  
Number of cycles run: 8091  
Number of cycles run: 9152  
Number of cycles run: 50000  
Number of cycles run: 15867  
Number of cycles run: 32387  
Number of cycles run: 8117  
Number of cycles run: 4310  
Number of cycles run: 1962  
Number of cycles run: 5574  
Number of cycles run: 4232  
Number of cycles run: 4284  
Number of cycles run: 4528  
Number of cycles run: 10154  
Number of cycles run: 11748  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 28750  
Number of cycles run: 9775  
Number of cycles run: 10336  
Number of cycles run: 506  
Number of cycles run: 2367  
Number of cycles run: 8260  
Number of cycles run: 10494  
Number of cycles run: 50000  
Number of cycles run: 26439  
Number of cycles run: 11819  
Number of cycles run: 12364  
Number of cycles run: 28518  
Number of cycles run: 943  
Number of cycles run: 50000  
Number of cycles run: 1586  
Number of cycles run: 13262  
Number of cycles run: 7144  
Number of cycles run: 12639  
Number of cycles run: 2003  
Number of cycles run: 8513  
Number of cycles run: 50000  
Number of cycles run: 11614  
Number of cycles run: 6175  
Number of cycles run: 501  
Number of cycles run: 10918  
Number of cycles run: 4474  
Number of cycles run: 21518  
Number of cycles run: 40082  
Number of cycles run: 50000  
Av cycles for selfish strength 2.5 is 16632  
standard diviation is 16925.033897111323

Testing average cycles for selfish strength 2.5

Number of cycles run: 9200

Number of cycles run: 10224

Number of cycles run: 7814

Number of cycles run: 4329

Number of cycles run: 6239

Number of cycles run: 1223

Number of cycles run: 740

Number of cycles run: 15563

Number of cycles run: 845

Number of cycles run: 50000

Number of cycles run: 3869

Number of cycles run: 22973

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 9008

Number of cycles run: 6100

Number of cycles run: 642

Number of cycles run: 5556

Number of cycles run: 612

Number of cycles run: 14744

Number of cycles run: 50000

Number of cycles run: 14416

Number of cycles run: 2242

Number of cycles run: 10028

Number of cycles run: 16260

Number of cycles run: 4289

Number of cycles run: 878

Number of cycles run: 6348

Number of cycles run: 9125

Number of cycles run: 534

Number of cycles run: 7792

Number of cycles run: 9540

Number of cycles run: 9380

Number of cycles run: 3698

Number of cycles run: 9498

Number of cycles run: 9252

Number of cycles run: 31443

Number of cycles run: 42896

Number of cycles run: 1858

Number of cycles run: 22216

Number of cycles run: 1070

Number of cycles run: 50000

Number of cycles run: 13235

Number of cycles run: 19459

Number of cycles run: 33619

Number of cycles run: 50000

Number of cycles run: 14238

Number of cycles run: 3720

Number of cycles run: 13723

Number of cycles run: 1034

Av cycles for selfish strength 2.5 is 14629

standard diviation is 15862.1903848

Testing average cycles for selfish strength 2.5

Number of cycles run: 4391

Number of cycles run: 33913

Number of cycles run: 11657

Number of cycles run: 50000

Number of cycles run: 5022

Number of cycles run: 716

Number of cycles run: 531

Number of cycles run: 20167

Number of cycles run: 4276

Number of cycles run: 5212

Number of cycles run: 15422

Number of cycles run: 22178

Number of cycles run: 6836

Number of cycles run: 698

Number of cycles run: 12759

Number of cycles run: 773

Number of cycles run: 468

Number of cycles run: 4546

Number of cycles run: 8114

Number of cycles run: 16546

Number of cycles run: 10103

Number of cycles run: 4845

Number of cycles run: 2063

Number of cycles run: 10595

Number of cycles run: 4328

Number of cycles run: 9436

Number of cycles run: 13836

Number of cycles run: 644

Number of cycles run: 15198

Number of cycles run: 6897

Number of cycles run: 50000

Number of cycles run: 5695

Number of cycles run: 976

Number of cycles run: 50000

Number of cycles run: 5069

Number of cycles run: 613

Number of cycles run: 9453

Number of cycles run: 18003

Number of cycles run: 16995

Number of cycles run: 1133

Number of cycles run: 10962

Number of cycles run: 2761

Number of cycles run: 2828

Number of cycles run: 3985

Number of cycles run: 15233

Number of cycles run: 7330

Number of cycles run: 10141

Number of cycles run: 836

Number of cycles run: 7787

Number of cycles run: 678

Av cycles for selfish strength 2.5 is 10452

standard diviation is 12211.0250534

Testing average cycles for selfish strength 2.5

Number of cycles run: 19325

Number of cycles run: 9350

Number of cycles run: 21935

Number of cycles run: 2955

Number of cycles run: 1639

Number of cycles run: 10328

Number of cycles run: 50000

Number of cycles run: 5819

Number of cycles run: 8783

Number of cycles run: 1331

Number of cycles run: 8686

Number of cycles run: 7615

Number of cycles run: 563

Number of cycles run: 4662

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 21565

Number of cycles run: 9885

Number of cycles run: 10550

Number of cycles run: 4301

Number of cycles run: 2478

Number of cycles run: 10151

Number of cycles run: 9912

Number of cycles run: 5014

Number of cycles run: 50000

Number of cycles run: 8639

Number of cycles run: 5948

Number of cycles run: 2078

Number of cycles run: 12567

Number of cycles run: 9264

Number of cycles run: 8316

Number of cycles run: 6283

Number of cycles run: 5308

Number of cycles run: 11879

Number of cycles run: 3057

Number of cycles run: 2654

Number of cycles run: 25506

Number of cycles run: 12615

Number of cycles run: 7956

Number of cycles run: 1441

Number of cycles run: 9984

Number of cycles run: 17789

Number of cycles run: 50000

Number of cycles run: 13123

Number of cycles run: 1822

Number of cycles run: 50000

Number of cycles run: 14058

Number of cycles run: 12773

Number of cycles run: 13759

Number of cycles run: 7759

Av cycles for selfish strength 2.5 is 13828

standard diviation is 14583.704857

Testing average cycles for selfish strength 2.5

Number of cycles run: 9344

Number of cycles run: 682

Number of cycles run: 27123

Number of cycles run: 6818

Number of cycles run: 50000

Number of cycles run: 8774

Number of cycles run: 448

Number of cycles run: 7959

Number of cycles run: 13163

Number of cycles run: 50000

Number of cycles run: 7026

Number of cycles run: 11584

Number of cycles run: 21374

Number of cycles run: 7908

Number of cycles run: 509

Number of cycles run: 50000

Number of cycles run: 6550

Number of cycles run: 15445

Number of cycles run: 5576

Number of cycles run: 21279

Number of cycles run: 826

Number of cycles run: 14650

Number of cycles run: 6318

Number of cycles run: 12008

Number of cycles run: 6004

Number of cycles run: 16100

Number of cycles run: 50000

Number of cycles run: 11169

Number of cycles run: 50000

Number of cycles run: 2138

Number of cycles run: 47208

Number of cycles run: 5588

Number of cycles run: 9778

Number of cycles run: 50000

Number of cycles run: 4344

Number of cycles run: 551

Number of cycles run: 12871

Number of cycles run: 15074

Number of cycles run: 2320

Number of cycles run: 6599

Number of cycles run: 2391

Number of cycles run: 10095

Number of cycles run: 5752

Number of cycles run: 7408

Number of cycles run: 50000

Number of cycles run: 9545

Number of cycles run: 795

Number of cycles run: 11619

Number of cycles run: 33015

Number of cycles run: 50000

Av cycles for selfish strength 2.5 is 16514

standard diviation is 17004.4675284