Testing average cycles for selfish strength 4.0

Number of cycles run: 5341

Number of cycles run: 50000

Number of cycles run: 10627

Number of cycles run: 8905

Number of cycles run: 6680

Number of cycles run: 28802

Number of cycles run: 2445

Number of cycles run: 1498

Number of cycles run: 8606

Number of cycles run: 14327

Number of cycles run: 7487

Number of cycles run: 50000

Number of cycles run: 3798

Number of cycles run: 4595

Number of cycles run: 1268

Number of cycles run: 9297

Number of cycles run: 11526

Number of cycles run: 50000

Number of cycles run: 12758

Number of cycles run: 11025

Number of cycles run: 7751

Number of cycles run: 10006

Number of cycles run: 9852

Number of cycles run: 10877

Number of cycles run: 6590

Number of cycles run: 19645

Number of cycles run: 13652

Number of cycles run: 15195

Number of cycles run: 11510

Number of cycles run: 13047

Number of cycles run: 24584

Number of cycles run: 50000

Number of cycles run: 5042

Number of cycles run: 50000

Number of cycles run: 9495

Number of cycles run: 7742

Number of cycles run: 7060

Number of cycles run: 10282

Number of cycles run: 14408

Number of cycles run: 50000

Number of cycles run: 22296

Number of cycles run: 31230

Number of cycles run: 11929

Number of cycles run: 13541

Number of cycles run: 18690

Number of cycles run: 7311

Number of cycles run: 11057

Number of cycles run: 10819

Number of cycles run: 13168

Number of cycles run: 4115

Av cycles for selfish strength 4.0 is 15797

standard diviation is 14141.7983617

Testing average cycles for selfish strength 4.0

Number of cycles run: 4816

Number of cycles run: 2185

Number of cycles run: 14693

Number of cycles run: 50000

Number of cycles run: 1675

Number of cycles run: 2617

Number of cycles run: 22674

Number of cycles run: 7582

Number of cycles run: 602

Number of cycles run: 11762

Number of cycles run: 8955

Number of cycles run: 50000

Number of cycles run: 5404

Number of cycles run: 497

Number of cycles run: 50000

Number of cycles run: 9191

Number of cycles run: 8037

Number of cycles run: 9302

Number of cycles run: 3591

Number of cycles run: 14262

Number of cycles run: 4362

Number of cycles run: 6587

Number of cycles run: 50000

Number of cycles run: 8646

Number of cycles run: 11481

Number of cycles run: 11357

Number of cycles run: 7097

Number of cycles run: 50000

Number of cycles run: 9007

Number of cycles run: 19912

Number of cycles run: 16114

Number of cycles run: 2217

Number of cycles run: 2744

Number of cycles run: 10345

Number of cycles run: 6545

Number of cycles run: 5743

Number of cycles run: 4118

Number of cycles run: 50000

Number of cycles run: 6954

Number of cycles run: 9836

Number of cycles run: 4244

Number of cycles run: 14196

Number of cycles run: 13552

Number of cycles run: 6179

Number of cycles run: 1309

Number of cycles run: 633

Number of cycles run: 11836

Number of cycles run: 50000

Number of cycles run: 42131

Number of cycles run: 7532

Av cycles for selfish strength 4.0 is 14450

standard diviation is 15999.2797391

Testing average cycles for selfish strength 4.0

Number of cycles run: 6380

Number of cycles run: 4910

Number of cycles run: 9237

Number of cycles run: 50000

Number of cycles run: 10448

Number of cycles run: 14168

Number of cycles run: 9789

Number of cycles run: 4736

Number of cycles run: 597

Number of cycles run: 7365

Number of cycles run: 50000

Number of cycles run: 12907

Number of cycles run: 10301

Number of cycles run: 665

Number of cycles run: 6081

Number of cycles run: 6519

Number of cycles run: 17622

Number of cycles run: 9939

Number of cycles run: 8517

Number of cycles run: 9418

Number of cycles run: 13004

Number of cycles run: 12398

Number of cycles run: 17078

Number of cycles run: 2673

Number of cycles run: 4698

Number of cycles run: 50000

Number of cycles run: 10083

Number of cycles run: 50000

Number of cycles run: 7113

Number of cycles run: 2046

Number of cycles run: 14552

Number of cycles run: 3131

Number of cycles run: 2655

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 584

Number of cycles run: 8538

Number of cycles run: 9907

Number of cycles run: 5730

Number of cycles run: 627

Number of cycles run: 544

Number of cycles run: 6834

Number of cycles run: 10711

Number of cycles run: 9412

Number of cycles run: 19659

Number of cycles run: 30282

Number of cycles run: 8289

Number of cycles run: 1697

Number of cycles run: 3910

Number of cycles run: 3254

Av cycles for selfish strength 4.0 is 13180

standard diviation is 14815.0775162

Testing average cycles for selfish strength 4.0

Number of cycles run: 764

Number of cycles run: 8929

Number of cycles run: 6411

Number of cycles run: 50000

Number of cycles run: 965

Number of cycles run: 13815

Number of cycles run: 625

Number of cycles run: 689

Number of cycles run: 50000

Number of cycles run: 17036

Number of cycles run: 5416

Number of cycles run: 7198

Number of cycles run: 947

Number of cycles run: 7032

Number of cycles run: 6398

Number of cycles run: 20588

Number of cycles run: 5385

Number of cycles run: 4289

Number of cycles run: 18651

Number of cycles run: 11853

Number of cycles run: 4447

Number of cycles run: 7462

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 19998

Number of cycles run: 7347

Number of cycles run: 2018

Number of cycles run: 14257

Number of cycles run: 9416

Number of cycles run: 12583

Number of cycles run: 9953

Number of cycles run: 6960

Number of cycles run: 4580

Number of cycles run: 6988

Number of cycles run: 1084

Number of cycles run: 11274

Number of cycles run: 23420

Number of cycles run: 17011

Number of cycles run: 27611

Number of cycles run: 6856

Number of cycles run: 678

Number of cycles run: 6259

Number of cycles run: 11053

Number of cycles run: 17284

Number of cycles run: 23878

Number of cycles run: 1156

Number of cycles run: 17897

Number of cycles run: 11189

Number of cycles run: 3816

Number of cycles run: 7982

Av cycles for selfish strength 4.0 is 12628

standard diviation is 13010.290762

Testing average cycles for selfish strength 4.0

Number of cycles run: 5954

Number of cycles run: 50000

Number of cycles run: 746

Number of cycles run: 9761

Number of cycles run: 10112

Number of cycles run: 7271

Number of cycles run: 2872

Number of cycles run: 50000

Number of cycles run: 12908

Number of cycles run: 7212

Number of cycles run: 36230

Number of cycles run: 3280

Number of cycles run: 8999

Number of cycles run: 50000

Number of cycles run: 9255

Number of cycles run: 7797

Number of cycles run: 15819

Number of cycles run: 5595

Number of cycles run: 25990

Number of cycles run: 13280

Number of cycles run: 1259

Number of cycles run: 15308

Number of cycles run: 4538

Number of cycles run: 5682

Number of cycles run: 5142

Number of cycles run: 9961

Number of cycles run: 1091

Number of cycles run: 6124

Number of cycles run: 50000

Number of cycles run: 15780

Number of cycles run: 6791

Number of cycles run: 31077

Number of cycles run: 39094

Number of cycles run: 8822

Number of cycles run: 9403

Number of cycles run: 8099

Number of cycles run: 9976

Number of cycles run: 11807

Number of cycles run: 50000

Number of cycles run: 3916

Number of cycles run: 1306

Number of cycles run: 50000

Number of cycles run: 14561

Number of cycles run: 48900

Number of cycles run: 14176

Number of cycles run: 9420

Number of cycles run: 13890

Number of cycles run: 2405

Testing average cycles for selfish strength 4.0  
Number of cycles run: 7599  
Number of cycles run: 5056  
Number of cycles run: 6578  
Number of cycles run: 28763  
Number of cycles run: 6111  
Number of cycles run: 4574  
Number of cycles run: 10821  
Number of cycles run: 1062  
Number of cycles run: 10745  
Number of cycles run: 9679  
Number of cycles run: 9387  
Number of cycles run: 14007  
Number of cycles run: 5289  
Number of cycles run: 970  
Number of cycles run: 11440  
Number of cycles run: 19228  
Number of cycles run: 16600  
Number of cycles run: 3029  
Number of cycles run: 3460  
Number of cycles run: 9692  
Number of cycles run: 15561  
Number of cycles run: 15271  
Number of cycles run: 3528  
Number of cycles run: 4026  
Number of cycles run: 12660  
Number of cycles run: 16292  
Number of cycles run: 50000  
Number of cycles run: 8973  
Number of cycles run: 50000  
Number of cycles run: 6371  
Number of cycles run: 25655  
Number of cycles run: 2261  
Number of cycles run: 719  
Number of cycles run: 7885  
Number of cycles run: 3673  
Number of cycles run: 4674  
Number of cycles run: 4499  
Number of cycles run: 5181  
Number of cycles run: 7012  
Number of cycles run: 10914  
Number of cycles run: 16141  
Number of cycles run: 5043  
Number of cycles run: 7701  
Number of cycles run: 11019  
Number of cycles run: 18129  
Number of cycles run: 7907  
Number of cycles run: 4836  
Number of cycles run: 10885  
Number of cycles run: 1614  
Number of cycles run: 9894  
Av cycles for selfish strength 4.0 is 10648  
standard diviation is 10103.961183291896  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6781  
Number of cycles run: 5408  
Number of cycles run: 2365  
Number of cycles run: 10132  
Number of cycles run: 6011  
Number of cycles run: 4953  
Number of cycles run: 5820  
Number of cycles run: 1949  
Number of cycles run: 5623  
Number of cycles run: 5668  
Number of cycles run: 679  
Number of cycles run: 4039  
Number of cycles run: 50000  
Number of cycles run: 10641  
Number of cycles run: 11648  
Number of cycles run: 17117  
Number of cycles run: 19501  
Number of cycles run: 603  
Number of cycles run: 574  
Number of cycles run: 6526  
Number of cycles run: 8910  
Number of cycles run: 15573  
Number of cycles run: 6139  
Number of cycles run: 9464  
Number of cycles run: 4859  
Number of cycles run: 10461  
Number of cycles run: 6276  
Number of cycles run: 6071  
Number of cycles run: 2621  
Number of cycles run: 758  
Number of cycles run: 5465  
Number of cycles run: 10983  
Number of cycles run: 29532  
Number of cycles run: 3002  
Number of cycles run: 5195  
Number of cycles run: 4115  
Number of cycles run: 26489  
Number of cycles run: 50000  
Number of cycles run: 7924  
Number of cycles run: 50000  
Number of cycles run: 604  
Number of cycles run: 5242  
Number of cycles run: 50000  
Number of cycles run: 5630  
Number of cycles run: 4940  
Number of cycles run: 949  
Number of cycles run: 13529  
Number of cycles run: 1595  
Number of cycles run: 10066  
Number of cycles run: 7182  
Av cycles for selfish strength 4.0 is 10792  
standard diviation is 13119.095547408779  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 38728  
Number of cycles run: 15667  
Number of cycles run: 21376  
Number of cycles run: 1450  
Number of cycles run: 10942  
Number of cycles run: 12514  
Number of cycles run: 6724  
Number of cycles run: 6320  
Number of cycles run: 14825  
Number of cycles run: 50000  
Number of cycles run: 10758  
Number of cycles run: 14157  
Number of cycles run: 7943  
Number of cycles run: 585  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 13226  
Number of cycles run: 1586  
Number of cycles run: 5455  
Number of cycles run: 936  
Number of cycles run: 959  
Number of cycles run: 4853  
Number of cycles run: 50000  
Number of cycles run: 7029  
Number of cycles run: 7365  
Number of cycles run: 960  
Number of cycles run: 11377  
Number of cycles run: 2322  
Number of cycles run: 7115  
Number of cycles run: 1229  
Number of cycles run: 26834  
Number of cycles run: 8216  
Number of cycles run: 2090  
Number of cycles run: 17053  
Number of cycles run: 50000  
Number of cycles run: 1780  
Number of cycles run: 14624  
Number of cycles run: 610  
Number of cycles run: 14059  
Number of cycles run: 2705  
Number of cycles run: 11226  
Number of cycles run: 3433  
Number of cycles run: 50000  
Number of cycles run: 4503  
Number of cycles run: 50000  
Number of cycles run: 7097  
Number of cycles run: 14741  
Number of cycles run: 9536  
Number of cycles run: 19106  
Number of cycles run: 8710  
Av cycles for selfish strength 4.0 is 14854  
standard diviation is 16047.889822805302  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 22802  
Number of cycles run: 1306  
Number of cycles run: 605  
Number of cycles run: 5058  
Number of cycles run: 10573  
Number of cycles run: 10374  
Number of cycles run: 14663  
Number of cycles run: 15590  
Number of cycles run: 21371  
Number of cycles run: 7799  
Number of cycles run: 8623  
Number of cycles run: 701  
Number of cycles run: 50000  
Number of cycles run: 47691  
Number of cycles run: 20808  
Number of cycles run: 864  
Number of cycles run: 11710  
Number of cycles run: 8987  
Number of cycles run: 595  
Number of cycles run: 50000  
Number of cycles run: 602  
Number of cycles run: 12590  
Number of cycles run: 24002  
Number of cycles run: 9377  
Number of cycles run: 2970  
Number of cycles run: 27561  
Number of cycles run: 2492  
Number of cycles run: 13107  
Number of cycles run: 3299  
Number of cycles run: 50000  
Number of cycles run: 10019  
Number of cycles run: 7922  
Number of cycles run: 20552  
Number of cycles run: 530  
Number of cycles run: 1047  
Number of cycles run: 28907  
Number of cycles run: 3082  
Number of cycles run: 41516  
Number of cycles run: 508  
Number of cycles run: 14143  
Number of cycles run: 50000  
Number of cycles run: 6506  
Number of cycles run: 6523  
Number of cycles run: 589  
Number of cycles run: 6628  
Number of cycles run: 7173  
Number of cycles run: 5854  
Number of cycles run: 1294  
Number of cycles run: 9814  
Number of cycles run: 16320  
Av cycles for selfish strength 4.0 is 13900  
standard diviation is 14844.307150966826  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 9528  
Number of cycles run: 50000  
Number of cycles run: 12202  
Number of cycles run: 17754  
Number of cycles run: 50000  
Number of cycles run: 7133  
Number of cycles run: 12988  
Number of cycles run: 7657  
Number of cycles run: 1837  
Number of cycles run: 5789  
Number of cycles run: 4039  
Number of cycles run: 36727  
Number of cycles run: 3450  
Number of cycles run: 22515  
Number of cycles run: 15765  
Number of cycles run: 10202  
Number of cycles run: 32001  
Number of cycles run: 5557  
Number of cycles run: 9724  
Number of cycles run: 10396  
Number of cycles run: 9842  
Number of cycles run: 17106  
Number of cycles run: 479  
Number of cycles run: 8420  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 1699  
Number of cycles run: 9023  
Number of cycles run: 741  
Number of cycles run: 743  
Number of cycles run: 5800  
Number of cycles run: 7743  
Number of cycles run: 10302  
Number of cycles run: 673  
Number of cycles run: 50000  
Number of cycles run: 5448  
Number of cycles run: 9796  
Number of cycles run: 50000  
Number of cycles run: 9744  
Number of cycles run: 7913  
Number of cycles run: 50000  
Number of cycles run: 12097  
Number of cycles run: 8015  
Number of cycles run: 8997  
Number of cycles run: 7609  
Number of cycles run: 5405  
Number of cycles run: 2033  
Number of cycles run: 8687  
Number of cycles run: 8271  
Av cycles for selfish strength 4.0 is 15837  
standard diviation is 16524.360636617068  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 50000  
Number of cycles run: 11301  
Number of cycles run: 9319  
Number of cycles run: 5281  
Number of cycles run: 29961  
Number of cycles run: 636  
Number of cycles run: 5768  
Number of cycles run: 6170  
Number of cycles run: 18862  
Number of cycles run: 25924  
Number of cycles run: 1851  
Number of cycles run: 11599  
Number of cycles run: 1846  
Number of cycles run: 6002  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5380  
Number of cycles run: 10854  
Number of cycles run: 50000  
Number of cycles run: 2200  
Number of cycles run: 5449  
Number of cycles run: 10915  
Number of cycles run: 42466

Number of cycles run: 2925  
Number of cycles run: 7566  
Number of cycles run: 50000  
Number of cycles run: 4607  
Number of cycles run: 1263  
Number of cycles run: 10993  
Number of cycles run: 588  
Number of cycles run: 5870  
Number of cycles run: 6214  
Number of cycles run: 20424  
Number of cycles run: 32013  
Number of cycles run: 556  
Number of cycles run: 50000  
Number of cycles run: 481  
Number of cycles run: 50000  
Number of cycles run: 5987  
Number of cycles run: 16846  
Number of cycles run: 1099  
Number of cycles run: 6892  
Number of cycles run: 50000  
Number of cycles run: 9448  
Number of cycles run: 13435  
Number of cycles run: 40265  
Number of cycles run: 28316  
Number of cycles run: 12787  
Number of cycles run: 50000  
Number of cycles run: 10514  
Av cycles for selfish strength 4.0 is 18017  
standard diviation is 17985.27147782375