Testing average cycles for selfish strength 2.0  
Number of cycles run: 8082  
Number of cycles run: 50000  
Number of cycles run: 6135  
Number of cycles run: 4480  
Number of cycles run: 7488  
Number of cycles run: 5942  
Number of cycles run: 4777  
Number of cycles run: 7095  
Number of cycles run: 3392  
Number of cycles run: 50000  
Number of cycles run: 8850  
Number of cycles run: 22368  
Number of cycles run: 11082  
Number of cycles run: 830  
Number of cycles run: 6242  
Number of cycles run: 1180  
Number of cycles run: 2017  
Number of cycles run: 904  
Number of cycles run: 410  
Number of cycles run: 1229  
Number of cycles run: 12368  
Number of cycles run: 8991  
Number of cycles run: 5226  
Number of cycles run: 1216  
Number of cycles run: 8662  
Number of cycles run: 50000  
Number of cycles run: 786  
Number of cycles run: 13497  
Number of cycles run: 1150  
Number of cycles run: 1532  
Number of cycles run: 24609  
Number of cycles run: 3113  
Number of cycles run: 8349  
Number of cycles run: 1745  
Number of cycles run: 454  
Number of cycles run: 2986  
Number of cycles run: 19366  
Number of cycles run: 47148  
Number of cycles run: 744  
Number of cycles run: 444  
Number of cycles run: 7806  
Number of cycles run: 50000  
Number of cycles run: 12274  
Number of cycles run: 13923  
Number of cycles run: 4648  
Number of cycles run: 8690  
Number of cycles run: 429  
Number of cycles run: 3374  
Number of cycles run: 6883  
Number of cycles run: 8799  
Av cycles for selfish strength 2.0 is 10634  
standard diviation is 14180.049790146028  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 29338  
Number of cycles run: 17351  
Number of cycles run: 20410  
Number of cycles run: 882  
Number of cycles run: 1380  
Number of cycles run: 6163  
Number of cycles run: 1444  
Number of cycles run: 7316  
Number of cycles run: 841  
Number of cycles run: 3721  
Number of cycles run: 8084  
Number of cycles run: 768  
Number of cycles run: 14889  
Number of cycles run: 50000  
Number of cycles run: 5328  
Number of cycles run: 387  
Number of cycles run: 941  
Number of cycles run: 43600  
Number of cycles run: 8043  
Number of cycles run: 13122  
Number of cycles run: 9408  
Number of cycles run: 1133  
Number of cycles run: 9388  
Number of cycles run: 3913  
Number of cycles run: 5049  
Number of cycles run: 6152  
Number of cycles run: 1190  
Number of cycles run: 5258  
Number of cycles run: 4056  
Number of cycles run: 17332  
Number of cycles run: 9337  
Number of cycles run: 8976  
Number of cycles run: 1007  
Number of cycles run: 50000  
Number of cycles run: 7808  
Number of cycles run: 5282  
Number of cycles run: 8073  
Number of cycles run: 8240  
Number of cycles run: 50000  
Number of cycles run: 6024  
Number of cycles run: 6542  
Number of cycles run: 3536  
Number of cycles run: 2038  
Number of cycles run: 838  
Number of cycles run: 10092  
Number of cycles run: 2810  
Number of cycles run: 1239  
Number of cycles run: 802  
Number of cycles run: 829  
Number of cycles run: 50000  
Av cycles for selfish strength 2.0 is 10607  
standard diviation is 14084.775025189578  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 989  
Number of cycles run: 3420  
Number of cycles run: 17319  
Number of cycles run: 3774  
Number of cycles run: 38205  
Number of cycles run: 4260  
Number of cycles run: 50000  
Number of cycles run: 5401  
Number of cycles run: 759  
Number of cycles run: 5759  
Number of cycles run: 9829  
Number of cycles run: 1210  
Number of cycles run: 952  
Number of cycles run: 8903  
Number of cycles run: 12887  
Number of cycles run: 8240  
Number of cycles run: 38558  
Number of cycles run: 3275  
Number of cycles run: 3308  
Number of cycles run: 36407  
Number of cycles run: 467  
Number of cycles run: 12533  
Number of cycles run: 50000  
Number of cycles run: 4725  
Number of cycles run: 1428  
Number of cycles run: 29975  
Number of cycles run: 4959  
Number of cycles run: 1005  
Number of cycles run: 8604  
Number of cycles run: 2836  
Number of cycles run: 1217  
Number of cycles run: 9242  
Number of cycles run: 20803  
Number of cycles run: 17529  
Number of cycles run: 540  
Number of cycles run: 2556  
Number of cycles run: 1935  
Number of cycles run: 4941  
Number of cycles run: 5179  
Number of cycles run: 6199  
Number of cycles run: 35706  
Number of cycles run: 18093  
Number of cycles run: 7246  
Number of cycles run: 4441  
Number of cycles run: 11862  
Number of cycles run: 2978  
Number of cycles run: 10847  
Number of cycles run: 50000  
Number of cycles run: 3074  
Number of cycles run: 762  
Av cycles for selfish strength 2.0 is 11702  
standard diviation is 14165.689543299432  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 10776  
Number of cycles run: 3416  
Number of cycles run: 4263  
Number of cycles run: 6407  
Number of cycles run: 6459  
Number of cycles run: 8112  
Number of cycles run: 456  
Number of cycles run: 854  
Number of cycles run: 5989  
Number of cycles run: 836  
Number of cycles run: 3160  
Number of cycles run: 663  
Number of cycles run: 2504  
Number of cycles run: 50000  
Number of cycles run: 30586  
Number of cycles run: 11361  
Number of cycles run: 5190  
Number of cycles run: 11968  
Number of cycles run: 4747  
Number of cycles run: 3206  
Number of cycles run: 13997  
Number of cycles run: 942  
Number of cycles run: 13459  
Number of cycles run: 1110  
Number of cycles run: 50000  
Number of cycles run: 11548  
Number of cycles run: 816  
Number of cycles run: 6211  
Number of cycles run: 44673  
Number of cycles run: 6176  
Number of cycles run: 4910  
Number of cycles run: 20662  
Number of cycles run: 457  
Number of cycles run: 5016  
Number of cycles run: 8428  
Number of cycles run: 6760  
Number of cycles run: 50000  
Number of cycles run: 1470  
Number of cycles run: 8322  
Number of cycles run: 7085  
Number of cycles run: 940  
Number of cycles run: 7625  
Number of cycles run: 50000  
Number of cycles run: 1088  
Number of cycles run: 50000  
Number of cycles run: 12551  
Number of cycles run: 1878  
Number of cycles run: 43739  
Number of cycles run: 12714  
Number of cycles run: 4242  
Av cycles for selfish strength 2.0 is 12355  
standard diviation is 15712.849838503102  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 14656  
Number of cycles run: 7463  
Number of cycles run: 1467  
Number of cycles run: 464  
Number of cycles run: 434  
Number of cycles run: 873  
Number of cycles run: 50000  
Number of cycles run: 3281  
Number of cycles run: 14685  
Number of cycles run: 1188  
Number of cycles run: 47437  
Number of cycles run: 50000  
Number of cycles run: 7493  
Number of cycles run: 30108  
Number of cycles run: 3500  
Number of cycles run: 766  
Number of cycles run: 9402  
Number of cycles run: 5044  
Number of cycles run: 13361  
Number of cycles run: 6259  
Number of cycles run: 50000  
Number of cycles run: 5557  
Number of cycles run: 2369  
Number of cycles run: 27232  
Number of cycles run: 7249  
Number of cycles run: 922  
Number of cycles run: 49498  
Number of cycles run: 50000  
Number of cycles run: 4072  
Number of cycles run: 9034  
Number of cycles run: 2730  
Number of cycles run: 4238  
Number of cycles run: 50000  
Number of cycles run: 5460  
Number of cycles run: 37816  
Number of cycles run: 1489  
Number of cycles run: 3353  
Number of cycles run: 2423  
Number of cycles run: 13648  
Number of cycles run: 2184  
Number of cycles run: 5550  
Number of cycles run: 2087  
Number of cycles run: 12841  
Number of cycles run: 3971  
Number of cycles run: 20624  
Number of cycles run: 1068  
Number of cycles run: 50000  
Number of cycles run: 805  
Number of cycles run: 9459  
Number of cycles run: 2516  
Av cycles for selfish strength 2.0 is 14121  
standard diviation is 17439.20422992578  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 5240  
Number of cycles run: 8455  
Number of cycles run: 1034  
Number of cycles run: 1605  
Number of cycles run: 4996  
Number of cycles run: 21435  
Number of cycles run: 8595  
Number of cycles run: 21805  
Number of cycles run: 12476  
Number of cycles run: 50000  
Number of cycles run: 7185  
Number of cycles run: 2355  
Number of cycles run: 11124  
Number of cycles run: 50000  
Number of cycles run: 29410  
Number of cycles run: 50000  
Number of cycles run: 17343  
Number of cycles run: 415  
Number of cycles run: 3890  
Number of cycles run: 4057  
Number of cycles run: 568  
Number of cycles run: 1922  
Number of cycles run: 468  
Number of cycles run: 5358

Number of cycles run: 4543  
Number of cycles run: 899  
Number of cycles run: 1223  
Number of cycles run: 2539  
Number of cycles run: 50000  
Number of cycles run: 9221  
Number of cycles run: 3438  
Number of cycles run: 9244  
Number of cycles run: 543  
Number of cycles run: 5885  
Number of cycles run: 810  
Number of cycles run: 434  
Number of cycles run: 50000  
Number of cycles run: 488  
Number of cycles run: 13271  
Number of cycles run: 11876  
Number of cycles run: 3360  
Number of cycles run: 1208  
Number of cycles run: 1268  
Number of cycles run: 50000  
Number of cycles run: 30153  
Number of cycles run: 2693  
Number of cycles run: 10466  
Number of cycles run: 5111  
Number of cycles run: 5825  
Number of cycles run: 1013  
Av cycles for selfish strength 2.0 is 11904  
standard diviation is 15832.829704942647  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 3246  
Number of cycles run: 631  
Number of cycles run: 26508  
Number of cycles run: 19179  
Number of cycles run: 8844  
Number of cycles run: 842  
Number of cycles run: 6652  
Number of cycles run: 13257  
Number of cycles run: 50000  
Number of cycles run: 2492  
Number of cycles run: 5978  
Number of cycles run: 13708  
Number of cycles run: 2440  
Number of cycles run: 7998  
Number of cycles run: 16657  
Number of cycles run: 7871  
Number of cycles run: 4780  
Number of cycles run: 7513  
Number of cycles run: 473  
Number of cycles run: 50000  
Number of cycles run: 14366  
Number of cycles run: 1620  
Number of cycles run: 7320  
Number of cycles run: 2270  
Number of cycles run: 5115  
Number of cycles run: 9043  
Number of cycles run: 6207  
Number of cycles run: 3327  
Number of cycles run: 4121  
Number of cycles run: 18560  
Number of cycles run: 4559  
Number of cycles run: 8748  
Number of cycles run: 10857  
Number of cycles run: 9820  
Number of cycles run: 8391  
Number of cycles run: 900  
Number of cycles run: 690  
Number of cycles run: 11622  
Number of cycles run: 3334  
Number of cycles run: 7079  
Number of cycles run: 50000  
Number of cycles run: 7675  
Number of cycles run: 11430  
Number of cycles run: 4553  
Number of cycles run: 6696  
Number of cycles run: 6561  
Number of cycles run: 1225  
Number of cycles run: 23636  
Number of cycles run: 4004  
Number of cycles run: 1196  
Av cycles for selfish strength 2.0 is 10079  
standard diviation is 11746.472737857288  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 3586  
Number of cycles run: 35681  
Number of cycles run: 3696  
Number of cycles run: 4245  
Number of cycles run: 13848  
Number of cycles run: 50000  
Number of cycles run: 27618  
Number of cycles run: 50000  
Number of cycles run: 614  
Number of cycles run: 3081  
Number of cycles run: 2050  
Number of cycles run: 445  
Number of cycles run: 1062  
Number of cycles run: 11799  
Number of cycles run: 13690  
Number of cycles run: 12055  
Number of cycles run: 7330  
Number of cycles run: 3688  
Number of cycles run: 3548  
Number of cycles run: 2729  
Number of cycles run: 962  
Number of cycles run: 994  
Number of cycles run: 1382  
Number of cycles run: 12175  
Number of cycles run: 6071  
Number of cycles run: 4186  
Number of cycles run: 9718  
Number of cycles run: 2787  
Number of cycles run: 5737  
Number of cycles run: 1269  
Number of cycles run: 2373  
Number of cycles run: 1346  
Number of cycles run: 8980  
Number of cycles run: 50000  
Number of cycles run: 21123  
Number of cycles run: 3842  
Number of cycles run: 5788  
Number of cycles run: 824  
Number of cycles run: 4201  
Number of cycles run: 8513  
Number of cycles run: 723  
Number of cycles run: 1358  
Number of cycles run: 926  
Number of cycles run: 12286  
Number of cycles run: 2583  
Number of cycles run: 1547  
Number of cycles run: 7715  
Number of cycles run: 3572  
Number of cycles run: 1347  
Number of cycles run: 4102  
Av cycles for selfish strength 2.0 is 8783  
standard diviation is 12584.177389946179  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 15103  
Number of cycles run: 5006  
Number of cycles run: 4059  
Number of cycles run: 25380  
Number of cycles run: 50000  
Number of cycles run: 6941  
Number of cycles run: 14415  
Number of cycles run: 20178  
Number of cycles run: 9285  
Number of cycles run: 871  
Number of cycles run: 2425  
Number of cycles run: 5282  
Number of cycles run: 948  
Number of cycles run: 6094  
Number of cycles run: 3241  
Number of cycles run: 4068  
Number of cycles run: 50000  
Number of cycles run: 598  
Number of cycles run: 1321  
Number of cycles run: 2730  
Number of cycles run: 10100  
Number of cycles run: 1122  
Number of cycles run: 3391  
Number of cycles run: 5161  
Number of cycles run: 3867  
Number of cycles run: 3754  
Number of cycles run: 2658  
Number of cycles run: 371  
Number of cycles run: 2880  
Number of cycles run: 500  
Number of cycles run: 1029  
Number of cycles run: 534  
Number of cycles run: 4100  
Number of cycles run: 6178  
Number of cycles run: 7377  
Number of cycles run: 8053  
Number of cycles run: 2413  
Number of cycles run: 2895  
Number of cycles run: 19260  
Number of cycles run: 4115  
Number of cycles run: 2190  
Number of cycles run: 1755  
Number of cycles run: 2388  
Number of cycles run: 433  
Number of cycles run: 761  
Number of cycles run: 50000  
Number of cycles run: 29958  
Number of cycles run: 50000  
Number of cycles run: 1358  
Number of cycles run: 2793  
Av cycles for selfish strength 2.0 is 9186  
standard diviation is 13730.492932706462  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 901  
Number of cycles run: 16454  
Number of cycles run: 1573  
Number of cycles run: 726  
Number of cycles run: 13164  
Number of cycles run: 16717  
Number of cycles run: 4302  
Number of cycles run: 1475  
Number of cycles run: 50000  
Number of cycles run: 1321  
Number of cycles run: 7715  
Number of cycles run: 3992  
Number of cycles run: 601  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 2343  
Number of cycles run: 843  
Number of cycles run: 4465  
Number of cycles run: 50000  
Number of cycles run: 7873  
Number of cycles run: 14171  
Number of cycles run: 13795  
Number of cycles run: 50000  
Number of cycles run: 1304  
Number of cycles run: 50000  
Number of cycles run: 2687  
Number of cycles run: 6006  
Number of cycles run: 4047  
Number of cycles run: 443  
Number of cycles run: 20399  
Number of cycles run: 4156  
Number of cycles run: 482  
Number of cycles run: 2465  
Number of cycles run: 9231  
Number of cycles run: 597  
Number of cycles run: 5455  
Number of cycles run: 9931  
Number of cycles run: 4063  
Number of cycles run: 620  
Number of cycles run: 937  
Number of cycles run: 50000  
Number of cycles run: 1360  
Number of cycles run: 1222  
Number of cycles run: 50000  
Number of cycles run: 16147  
Number of cycles run: 2820  
Number of cycles run: 8940  
Number of cycles run: 50000  
Number of cycles run: 4890  
Number of cycles run: 1309  
Av cycles for selfish strength 2.0 is 13438  
standard diviation is 18005.225143376392