Testing average cycles for selfish strength 0.0  
Number of cycles run: 6175  
Number of cycles run: 44571  
Number of cycles run: 6740  
Number of cycles run: 9211  
Number of cycles run: 11826  
Number of cycles run: 14425  
Number of cycles run: 7302  
Number of cycles run: 5341  
Number of cycles run: 7066  
Number of cycles run: 6400  
Number of cycles run: 7094  
Number of cycles run: 8271  
Number of cycles run: 13700  
Number of cycles run: 5888  
Number of cycles run: 5622  
Number of cycles run: 7326  
Number of cycles run: 6550  
Number of cycles run: 11227  
Number of cycles run: 5682  
Number of cycles run: 15131  
Number of cycles run: 6422  
Number of cycles run: 9863  
Number of cycles run: 19128  
Number of cycles run: 46166  
Number of cycles run: 50000  
Number of cycles run: 5716  
Number of cycles run: 8409  
Number of cycles run: 11445  
Number of cycles run: 9547  
Number of cycles run: 6167  
Number of cycles run: 7161  
Number of cycles run: 9842  
Number of cycles run: 8890  
Number of cycles run: 8088  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7033  
Number of cycles run: 6004  
Number of cycles run: 5441  
Number of cycles run: 5533  
Number of cycles run: 6151  
Number of cycles run: 5958  
Number of cycles run: 5763  
Number of cycles run: 50000  
Number of cycles run: 6873  
Number of cycles run: 5720  
Number of cycles run: 6292  
Number of cycles run: 9777  
Number of cycles run: 7308  
Number of cycles run: 8798  
Av cycles for selfish strength 0.0 is 12980  
standard diviation is 13550.451222263366  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 11572  
Number of cycles run: 9592  
Number of cycles run: 5064  
Number of cycles run: 6530  
Number of cycles run: 8940  
Number of cycles run: 6396  
Number of cycles run: 5690  
Number of cycles run: 9003  
Number of cycles run: 6188  
Number of cycles run: 23821  
Number of cycles run: 6037  
Number of cycles run: 13456  
Number of cycles run: 5708  
Number of cycles run: 19493  
Number of cycles run: 7101  
Number of cycles run: 7433  
Number of cycles run: 5802  
Number of cycles run: 6934  
Number of cycles run: 50000  
Number of cycles run: 7259  
Number of cycles run: 6200  
Number of cycles run: 11677  
Number of cycles run: 18442  
Number of cycles run: 50000  
Number of cycles run: 7452  
Number of cycles run: 7481  
Number of cycles run: 50000  
Number of cycles run: 7047  
Number of cycles run: 6027  
Number of cycles run: 9111  
Number of cycles run: 50000  
Number of cycles run: 20659  
Number of cycles run: 35324  
Number of cycles run: 50000  
Number of cycles run: 5173  
Number of cycles run: 7761  
Number of cycles run: 7018  
Number of cycles run: 6950  
Number of cycles run: 6221  
Number of cycles run: 6357  
Number of cycles run: 50000  
Number of cycles run: 11784  
Number of cycles run: 50000  
Number of cycles run: 5954  
Number of cycles run: 14058  
Number of cycles run: 5944  
Number of cycles run: 8057  
Number of cycles run: 50000  
Number of cycles run: 42000  
Number of cycles run: 50000  
Av cycles for selfish strength 0.0 is 17574  
standard diviation is 16922.00408409243  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 5981  
Number of cycles run: 12576  
Number of cycles run: 50000  
Number of cycles run: 6213  
Number of cycles run: 7353  
Number of cycles run: 6376  
Number of cycles run: 8199  
Number of cycles run: 7483  
Number of cycles run: 40396  
Number of cycles run: 7499  
Number of cycles run: 9621  
Number of cycles run: 6354  
Number of cycles run: 6308  
Number of cycles run: 13473  
Number of cycles run: 5353  
Number of cycles run: 8032  
Number of cycles run: 5944  
Number of cycles run: 7318  
Number of cycles run: 5307  
Number of cycles run: 5817  
Number of cycles run: 9605  
Number of cycles run: 7978  
Number of cycles run: 5239  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9544  
Number of cycles run: 15267  
Number of cycles run: 26544  
Number of cycles run: 5997  
Number of cycles run: 7167  
Number of cycles run: 10745  
Number of cycles run: 11770  
Number of cycles run: 9877  
Number of cycles run: 7176  
Number of cycles run: 6542  
Number of cycles run: 50000  
Number of cycles run: 7850  
Number of cycles run: 8697  
Number of cycles run: 16400  
Number of cycles run: 12930  
Number of cycles run: 7313  
Number of cycles run: 9485  
Number of cycles run: 6806  
Number of cycles run: 5690  
Number of cycles run: 7425  
Number of cycles run: 5128  
Number of cycles run: 6677  
Number of cycles run: 10194  
Number of cycles run: 6648  
Number of cycles run: 22372  
Av cycles for selfish strength 0.0 is 12853  
standard diviation is 12610.185704648218  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 6624  
Number of cycles run: 7503  
Number of cycles run: 50000  
Number of cycles run: 13762  
Number of cycles run: 6841  
Number of cycles run: 18460  
Number of cycles run: 7458  
Number of cycles run: 6150  
Number of cycles run: 6725  
Number of cycles run: 50000  
Number of cycles run: 12594  
Number of cycles run: 6939  
Number of cycles run: 5346  
Number of cycles run: 7676  
Number of cycles run: 11574  
Number of cycles run: 6176  
Number of cycles run: 5662  
Number of cycles run: 5639  
Number of cycles run: 5924  
Number of cycles run: 22550  
Number of cycles run: 6198  
Number of cycles run: 50000  
Number of cycles run: 7966  
Number of cycles run: 50000  
Number of cycles run: 9601  
Number of cycles run: 6152  
Number of cycles run: 6742  
Number of cycles run: 16785  
Number of cycles run: 27576  
Number of cycles run: 50000  
Number of cycles run: 6737  
Number of cycles run: 6533  
Number of cycles run: 8616  
Number of cycles run: 5404  
Number of cycles run: 7469  
Number of cycles run: 8240  
Number of cycles run: 7008  
Number of cycles run: 9138  
Number of cycles run: 8942  
Number of cycles run: 7016  
Number of cycles run: 50000  
Number of cycles run: 15744  
Number of cycles run: 34026  
Number of cycles run: 50000  
Number of cycles run: 8559  
Number of cycles run: 50000  
Number of cycles run: 6592  
Number of cycles run: 50000  
Number of cycles run: 6450  
Number of cycles run: 6013  
Av cycles for selfish strength 0.0 is 16942  
standard diviation is 16619.595376837424  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 50000  
Number of cycles run: 7025  
Number of cycles run: 31515  
Number of cycles run: 50000  
Number of cycles run: 10448  
Number of cycles run: 6583  
Number of cycles run: 5477  
Number of cycles run: 21541  
Number of cycles run: 5626  
Number of cycles run: 5596  
Number of cycles run: 13576  
Number of cycles run: 6735  
Number of cycles run: 5947  
Number of cycles run: 7696  
Number of cycles run: 5904  
Number of cycles run: 7893  
Number of cycles run: 5664  
Number of cycles run: 5699  
Number of cycles run: 7629  
Number of cycles run: 10311  
Number of cycles run: 11226  
Number of cycles run: 30564  
Number of cycles run: 10409  
Number of cycles run: 7920  
Number of cycles run: 50000  
Number of cycles run: 12202  
Number of cycles run: 12698  
Number of cycles run: 9933  
Number of cycles run: 6508  
Number of cycles run: 5940  
Number of cycles run: 5961  
Number of cycles run: 7302  
Number of cycles run: 7564  
Number of cycles run: 50000  
Number of cycles run: 6884  
Number of cycles run: 5588  
Number of cycles run: 5067  
Number of cycles run: 12131  
Number of cycles run: 7763  
Number of cycles run: 6918  
Number of cycles run: 5127  
Number of cycles run: 6589  
Number of cycles run: 6615  
Number of cycles run: 6384  
Number of cycles run: 18555  
Number of cycles run: 6638  
Number of cycles run: 11382  
Number of cycles run: 29620  
Number of cycles run: 6696  
Number of cycles run: 50000  
Av cycles for selfish strength 0.0 is 13820  
standard diviation is 13679.395502949774  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 8026  
Number of cycles run: 21716  
Number of cycles run: 5918  
Number of cycles run: 9086  
Number of cycles run: 6725  
Number of cycles run: 6405  
Number of cycles run: 7348  
Number of cycles run: 7993  
Number of cycles run: 6027  
Number of cycles run: 12045  
Number of cycles run: 8604  
Number of cycles run: 24604  
Number of cycles run: 14741  
Number of cycles run: 6092  
Number of cycles run: 16632  
Number of cycles run: 8516  
Number of cycles run: 5947  
Number of cycles run: 25784  
Number of cycles run: 5734  
Number of cycles run: 6104  
Number of cycles run: 9005  
Number of cycles run: 7742  
Number of cycles run: 10484

Number of cycles run: 10058  
Number of cycles run: 7422  
Number of cycles run: 5960  
Number of cycles run: 50000  
Number of cycles run: 26823  
Number of cycles run: 7759  
Number of cycles run: 22423  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5947  
Number of cycles run: 6849  
Number of cycles run: 7057  
Number of cycles run: 7122  
Number of cycles run: 6256  
Number of cycles run: 8852  
Number of cycles run: 6847  
Number of cycles run: 50000  
Number of cycles run: 5977  
Number of cycles run: 8843  
Number of cycles run: 6767  
Number of cycles run: 6651  
Number of cycles run: 24721  
Number of cycles run: 18770  
Number of cycles run: 50000  
Number of cycles run: 5947  
Number of cycles run: 10061  
Number of cycles run: 33667  
Av cycles for selfish strength 0.0 is 14841  
standard diviation is 13619.622196519194  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 8090  
Number of cycles run: 8232  
Number of cycles run: 7527  
Number of cycles run: 50000  
Number of cycles run: 5988  
Number of cycles run: 5717  
Number of cycles run: 18791  
Number of cycles run: 7501  
Number of cycles run: 45345  
Number of cycles run: 6346  
Number of cycles run: 7049  
Number of cycles run: 20276  
Number of cycles run: 6704  
Number of cycles run: 7715  
Number of cycles run: 6388  
Number of cycles run: 7754  
Number of cycles run: 7926  
Number of cycles run: 15264  
Number of cycles run: 5860  
Number of cycles run: 5606  
Number of cycles run: 8246  
Number of cycles run: 6217  
Number of cycles run: 6721  
Number of cycles run: 7173  
Number of cycles run: 10894  
Number of cycles run: 7289  
Number of cycles run: 6902  
Number of cycles run: 5666  
Number of cycles run: 5942  
Number of cycles run: 5374  
Number of cycles run: 6550  
Number of cycles run: 7637  
Number of cycles run: 5444  
Number of cycles run: 5975  
Number of cycles run: 17908  
Number of cycles run: 50000  
Number of cycles run: 7134  
Number of cycles run: 8013  
Number of cycles run: 6560  
Number of cycles run: 6932  
Number of cycles run: 50000  
Number of cycles run: 15098  
Number of cycles run: 22881  
Number of cycles run: 7155  
Number of cycles run: 6663  
Number of cycles run: 6230  
Number of cycles run: 10102  
Number of cycles run: 6632  
Number of cycles run: 8092  
Number of cycles run: 8727  
Av cycles for selfish strength 0.0 is 11764  
standard diviation is 11743.507469027385  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 7828  
Number of cycles run: 13759  
Number of cycles run: 6840  
Number of cycles run: 6207  
Number of cycles run: 6511  
Number of cycles run: 9553  
Number of cycles run: 5405  
Number of cycles run: 5881  
Number of cycles run: 5015  
Number of cycles run: 5870  
Number of cycles run: 10156  
Number of cycles run: 9007  
Number of cycles run: 7669  
Number of cycles run: 5003  
Number of cycles run: 11987  
Number of cycles run: 8653  
Number of cycles run: 7561  
Number of cycles run: 6541  
Number of cycles run: 4851  
Number of cycles run: 8494  
Number of cycles run: 14239  
Number of cycles run: 7331  
Number of cycles run: 8928  
Number of cycles run: 10753  
Number of cycles run: 11200  
Number of cycles run: 5951  
Number of cycles run: 38697  
Number of cycles run: 50000  
Number of cycles run: 5536  
Number of cycles run: 7744  
Number of cycles run: 6653  
Number of cycles run: 7116  
Number of cycles run: 38435  
Number of cycles run: 7528  
Number of cycles run: 6326  
Number of cycles run: 28296  
Number of cycles run: 5931  
Number of cycles run: 6513  
Number of cycles run: 6228  
Number of cycles run: 8758  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8398  
Number of cycles run: 6973  
Number of cycles run: 5885  
Number of cycles run: 4942  
Number of cycles run: 10956  
Number of cycles run: 7896  
Number of cycles run: 14675  
Number of cycles run: 7939  
Av cycles for selfish strength 0.0 is 12052  
standard diviation is 11964.758992361949  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 33981  
Number of cycles run: 6502  
Number of cycles run: 7793  
Number of cycles run: 8008  
Number of cycles run: 7883  
Number of cycles run: 7296  
Number of cycles run: 50000  
Number of cycles run: 8432  
Number of cycles run: 50000  
Number of cycles run: 6160  
Number of cycles run: 6373  
Number of cycles run: 6696  
Number of cycles run: 11547  
Number of cycles run: 28583  
Number of cycles run: 7540  
Number of cycles run: 7713  
Number of cycles run: 6324  
Number of cycles run: 33205  
Number of cycles run: 50000  
Number of cycles run: 12681  
Number of cycles run: 9668  
Number of cycles run: 6354  
Number of cycles run: 5910  
Number of cycles run: 50000  
Number of cycles run: 5934  
Number of cycles run: 11499  
Number of cycles run: 8178  
Number of cycles run: 13308  
Number of cycles run: 6780  
Number of cycles run: 50000  
Number of cycles run: 8580  
Number of cycles run: 7613  
Number of cycles run: 5553  
Number of cycles run: 6372  
Number of cycles run: 7037  
Number of cycles run: 12892  
Number of cycles run: 8670  
Number of cycles run: 50000  
Number of cycles run: 8338  
Number of cycles run: 5456  
Number of cycles run: 50000  
Number of cycles run: 5334  
Number of cycles run: 6663  
Number of cycles run: 8584  
Number of cycles run: 7479  
Number of cycles run: 5678  
Number of cycles run: 7916  
Number of cycles run: 6931  
Number of cycles run: 14475  
Number of cycles run: 5718  
Av cycles for selfish strength 0.0 is 15272  
standard diviation is 15416.59953348722  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 8447  
Number of cycles run: 9211  
Number of cycles run: 14141  
Number of cycles run: 7191  
Number of cycles run: 7966  
Number of cycles run: 5362  
Number of cycles run: 50000  
Number of cycles run: 6462  
Number of cycles run: 10658  
Number of cycles run: 6601  
Number of cycles run: 6132  
Number of cycles run: 5739  
Number of cycles run: 50000  
Number of cycles run: 7284  
Number of cycles run: 5093  
Number of cycles run: 6688  
Number of cycles run: 36175  
Number of cycles run: 21992  
Number of cycles run: 5393  
Number of cycles run: 50000  
Number of cycles run: 16079  
Number of cycles run: 6110  
Number of cycles run: 9663  
Number of cycles run: 7492  
Number of cycles run: 6716  
Number of cycles run: 10437  
Number of cycles run: 6344  
Number of cycles run: 8857  
Number of cycles run: 8950  
Number of cycles run: 5722  
Number of cycles run: 12148  
Number of cycles run: 5647  
Number of cycles run: 8565  
Number of cycles run: 19113  
Number of cycles run: 7798  
Number of cycles run: 6038  
Number of cycles run: 7328  
Number of cycles run: 5966  
Number of cycles run: 8966  
Number of cycles run: 18045  
Number of cycles run: 26700  
Number of cycles run: 6209  
Number of cycles run: 8029  
Number of cycles run: 50000  
Number of cycles run: 10145  
Number of cycles run: 11834  
Number of cycles run: 12684  
Number of cycles run: 12253  
Number of cycles run: 5825  
Number of cycles run: 8216  
Av cycles for selfish strength 0.0 is 13168  
standard diviation is 12419.056306847677