Testing average cycles for selfish strength 3.0  
Number of cycles run: 6139  
Number of cycles run: 13896  
Number of cycles run: 50000  
Number of cycles run: 8875  
Number of cycles run: 50000  
Number of cycles run: 5633  
Number of cycles run: 13917  
Number of cycles run: 8638  
Number of cycles run: 7863  
Number of cycles run: 7105  
Number of cycles run: 8870  
Number of cycles run: 8089  
Number of cycles run: 34167  
Number of cycles run: 8222  
Number of cycles run: 16535  
Number of cycles run: 13608  
Number of cycles run: 6959  
Number of cycles run: 50000  
Number of cycles run: 7596  
Number of cycles run: 50000  
Number of cycles run: 7874  
Number of cycles run: 6517  
Number of cycles run: 7971  
Number of cycles run: 10806  
Number of cycles run: 50000  
Number of cycles run: 6611  
Number of cycles run: 7599  
Number of cycles run: 7113  
Number of cycles run: 50000  
Number of cycles run: 6283  
Number of cycles run: 9423  
Number of cycles run: 10280  
Number of cycles run: 7092  
Number of cycles run: 10099  
Number of cycles run: 7980  
Number of cycles run: 5609  
Number of cycles run: 26214  
Number of cycles run: 13543  
Number of cycles run: 6831  
Number of cycles run: 6082  
Number of cycles run: 50000  
Number of cycles run: 7450  
Number of cycles run: 33785  
Number of cycles run: 6911  
Number of cycles run: 6329  
Number of cycles run: 6980  
Number of cycles run: 28517  
Number of cycles run: 13269  
Number of cycles run: 9329  
Number of cycles run: 16090  
Av cycles for selfish strength 3.0 is 16373  
standard diviation is 15186.890567922086  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6397  
Number of cycles run: 6511  
Number of cycles run: 6407  
Number of cycles run: 8174  
Number of cycles run: 7732  
Number of cycles run: 6220  
Number of cycles run: 31649  
Number of cycles run: 9577  
Number of cycles run: 8473  
Number of cycles run: 50000  
Number of cycles run: 6532  
Number of cycles run: 50000  
Number of cycles run: 7974  
Number of cycles run: 10627  
Number of cycles run: 13062  
Number of cycles run: 6470  
Number of cycles run: 7218  
Number of cycles run: 50000  
Number of cycles run: 10500  
Number of cycles run: 7476  
Number of cycles run: 50000  
Number of cycles run: 7732  
Number of cycles run: 9666  
Number of cycles run: 13501  
Number of cycles run: 7856  
Number of cycles run: 9473  
Number of cycles run: 16725  
Number of cycles run: 8040  
Number of cycles run: 9059  
Number of cycles run: 10303  
Number of cycles run: 8325  
Number of cycles run: 7321  
Number of cycles run: 9166  
Number of cycles run: 9981  
Number of cycles run: 50000  
Number of cycles run: 11221  
Number of cycles run: 15001  
Number of cycles run: 10003  
Number of cycles run: 13715  
Number of cycles run: 7382  
Number of cycles run: 8680  
Number of cycles run: 6876  
Number of cycles run: 50000  
Number of cycles run: 6714  
Number of cycles run: 17747  
Number of cycles run: 7067  
Number of cycles run: 50000  
Number of cycles run: 5030  
Number of cycles run: 7689  
Number of cycles run: 21770  
Av cycles for selfish strength 3.0 is 15540  
standard diviation is 14735.390932481612  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 7027  
Number of cycles run: 10848  
Number of cycles run: 9733  
Number of cycles run: 8339  
Number of cycles run: 15248  
Number of cycles run: 37483  
Number of cycles run: 31555  
Number of cycles run: 6829  
Number of cycles run: 16148  
Number of cycles run: 8032  
Number of cycles run: 6554  
Number of cycles run: 6444  
Number of cycles run: 25952  
Number of cycles run: 7024  
Number of cycles run: 7259  
Number of cycles run: 6164  
Number of cycles run: 50000  
Number of cycles run: 6212  
Number of cycles run: 14626  
Number of cycles run: 9362  
Number of cycles run: 6779  
Number of cycles run: 10123  
Number of cycles run: 6980  
Number of cycles run: 6456  
Number of cycles run: 48073  
Number of cycles run: 4491  
Number of cycles run: 6786  
Number of cycles run: 9485  
Number of cycles run: 7757  
Number of cycles run: 50000  
Number of cycles run: 6761  
Number of cycles run: 29233  
Number of cycles run: 7208  
Number of cycles run: 9685  
Number of cycles run: 21768  
Number of cycles run: 22753  
Number of cycles run: 6780  
Number of cycles run: 6260  
Number of cycles run: 11420  
Number of cycles run: 7359  
Number of cycles run: 6413  
Number of cycles run: 6913  
Number of cycles run: 6667  
Number of cycles run: 34184  
Number of cycles run: 8788  
Number of cycles run: 5226  
Number of cycles run: 50000  
Number of cycles run: 7856  
Number of cycles run: 10700  
Number of cycles run: 26441  
Av cycles for selfish strength 3.0 is 14803  
standard diviation is 13149.406477550108  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 8897  
Number of cycles run: 5750  
Number of cycles run: 8030  
Number of cycles run: 6020  
Number of cycles run: 7951  
Number of cycles run: 12958  
Number of cycles run: 11612  
Number of cycles run: 25588  
Number of cycles run: 6197  
Number of cycles run: 13496  
Number of cycles run: 5805  
Number of cycles run: 7033  
Number of cycles run: 9070  
Number of cycles run: 10373  
Number of cycles run: 7362  
Number of cycles run: 6161  
Number of cycles run: 36594  
Number of cycles run: 5816  
Number of cycles run: 7421  
Number of cycles run: 50000  
Number of cycles run: 10745  
Number of cycles run: 5322  
Number of cycles run: 10102  
Number of cycles run: 13260  
Number of cycles run: 7252  
Number of cycles run: 9282  
Number of cycles run: 6835  
Number of cycles run: 6935  
Number of cycles run: 6589  
Number of cycles run: 5659  
Number of cycles run: 50000  
Number of cycles run: 8884  
Number of cycles run: 8484  
Number of cycles run: 6381  
Number of cycles run: 36541  
Number of cycles run: 6694  
Number of cycles run: 7443  
Number of cycles run: 8641  
Number of cycles run: 7846  
Number of cycles run: 7025  
Number of cycles run: 6529  
Number of cycles run: 6303  
Number of cycles run: 5931  
Number of cycles run: 8926  
Number of cycles run: 7468  
Number of cycles run: 7235  
Number of cycles run: 6234  
Number of cycles run: 50000  
Number of cycles run: 7499  
Number of cycles run: 6519  
Av cycles for selfish strength 3.0 is 11893  
standard diviation is 11658.670953694964  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 7300  
Number of cycles run: 6333  
Number of cycles run: 18425  
Number of cycles run: 8218  
Number of cycles run: 18676  
Number of cycles run: 7326  
Number of cycles run: 6277  
Number of cycles run: 15805  
Number of cycles run: 8605  
Number of cycles run: 16340  
Number of cycles run: 6667  
Number of cycles run: 7843  
Number of cycles run: 6923  
Number of cycles run: 7622  
Number of cycles run: 15531  
Number of cycles run: 6244  
Number of cycles run: 7775  
Number of cycles run: 7288  
Number of cycles run: 50000  
Number of cycles run: 12385  
Number of cycles run: 7007  
Number of cycles run: 5776  
Number of cycles run: 50000  
Number of cycles run: 7057  
Number of cycles run: 10899  
Number of cycles run: 6674  
Number of cycles run: 7991  
Number of cycles run: 50000  
Number of cycles run: 7271  
Number of cycles run: 38687  
Number of cycles run: 7043  
Number of cycles run: 6724  
Number of cycles run: 6715  
Number of cycles run: 9200  
Number of cycles run: 6698  
Number of cycles run: 50000  
Number of cycles run: 6873  
Number of cycles run: 7465  
Number of cycles run: 8581  
Number of cycles run: 10385  
Number of cycles run: 6983  
Number of cycles run: 13202  
Number of cycles run: 6285  
Number of cycles run: 8062  
Number of cycles run: 10487  
Number of cycles run: 7815  
Number of cycles run: 22536  
Number of cycles run: 7128  
Number of cycles run: 6787  
Number of cycles run: 11770  
Av cycles for selfish strength 3.0 is 13073  
standard diviation is 12331.256465500957  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 50000  
Number of cycles run: 7293  
Number of cycles run: 10651  
Number of cycles run: 12932  
Number of cycles run: 11474  
Number of cycles run: 8811  
Number of cycles run: 7535  
Number of cycles run: 14171  
Number of cycles run: 45576  
Number of cycles run: 7636  
Number of cycles run: 6481  
Number of cycles run: 6957  
Number of cycles run: 11736  
Number of cycles run: 20600  
Number of cycles run: 6563  
Number of cycles run: 6275  
Number of cycles run: 8443  
Number of cycles run: 7076  
Number of cycles run: 5292  
Number of cycles run: 8392  
Number of cycles run: 6119  
Number of cycles run: 6940

Number of cycles run: 9609  
Number of cycles run: 7400  
Number of cycles run: 6308  
Number of cycles run: 9308  
Number of cycles run: 5423  
Number of cycles run: 8656  
Number of cycles run: 5119  
Number of cycles run: 6082  
Number of cycles run: 7540  
Number of cycles run: 6000  
Number of cycles run: 9517  
Number of cycles run: 6819  
Number of cycles run: 8724  
Number of cycles run: 6335  
Number of cycles run: 12534  
Number of cycles run: 7189  
Number of cycles run: 13780  
Number of cycles run: 5956  
Number of cycles run: 13548  
Number of cycles run: 9751  
Number of cycles run: 9183  
Number of cycles run: 6179  
Number of cycles run: 7308  
Number of cycles run: 12513  
Number of cycles run: 7537  
Number of cycles run: 29677  
Number of cycles run: 12022  
Number of cycles run: 6848  
Av cycles for selfish strength 3.0 is 10676  
standard diviation is 8735.06615691686  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 8329  
Number of cycles run: 27667  
Number of cycles run: 7297  
Number of cycles run: 12605  
Number of cycles run: 7305  
Number of cycles run: 6499  
Number of cycles run: 14446  
Number of cycles run: 7960  
Number of cycles run: 7019  
Number of cycles run: 8960  
Number of cycles run: 39949  
Number of cycles run: 11280  
Number of cycles run: 6597  
Number of cycles run: 10545  
Number of cycles run: 10899  
Number of cycles run: 50000  
Number of cycles run: 9803  
Number of cycles run: 30105  
Number of cycles run: 8626  
Number of cycles run: 10627  
Number of cycles run: 6347  
Number of cycles run: 5934  
Number of cycles run: 8885  
Number of cycles run: 6328  
Number of cycles run: 7320  
Number of cycles run: 8417  
Number of cycles run: 6691  
Number of cycles run: 9112  
Number of cycles run: 7995  
Number of cycles run: 7225  
Number of cycles run: 10363  
Number of cycles run: 8267  
Number of cycles run: 15968  
Number of cycles run: 5913  
Number of cycles run: 7168  
Number of cycles run: 8450  
Number of cycles run: 9840  
Number of cycles run: 5759  
Number of cycles run: 50000  
Number of cycles run: 6772  
Number of cycles run: 7093  
Number of cycles run: 6578  
Number of cycles run: 28535  
Number of cycles run: 9379  
Number of cycles run: 6142  
Number of cycles run: 5216  
Number of cycles run: 7818  
Number of cycles run: 43412  
Number of cycles run: 7317  
Number of cycles run: 6936  
Av cycles for selfish strength 3.0 is 12553  
standard diviation is 11326.075394199972  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6952  
Number of cycles run: 9317  
Number of cycles run: 6671  
Number of cycles run: 50000  
Number of cycles run: 6813  
Number of cycles run: 9477  
Number of cycles run: 26142  
Number of cycles run: 6388  
Number of cycles run: 9261  
Number of cycles run: 9454  
Number of cycles run: 6979  
Number of cycles run: 50000  
Number of cycles run: 8671  
Number of cycles run: 8997  
Number of cycles run: 40373  
Number of cycles run: 7108  
Number of cycles run: 6890  
Number of cycles run: 8363  
Number of cycles run: 6939  
Number of cycles run: 6796  
Number of cycles run: 14798  
Number of cycles run: 7966  
Number of cycles run: 7493  
Number of cycles run: 5874  
Number of cycles run: 6371  
Number of cycles run: 10452  
Number of cycles run: 5398  
Number of cycles run: 9367  
Number of cycles run: 11560  
Number of cycles run: 6379  
Number of cycles run: 10400  
Number of cycles run: 7274  
Number of cycles run: 30983  
Number of cycles run: 8156  
Number of cycles run: 6889  
Number of cycles run: 20034  
Number of cycles run: 7408  
Number of cycles run: 8417  
Number of cycles run: 8524  
Number of cycles run: 6162  
Number of cycles run: 10446  
Number of cycles run: 6879  
Number of cycles run: 7109  
Number of cycles run: 9217  
Number of cycles run: 12011  
Number of cycles run: 7296  
Number of cycles run: 42928  
Number of cycles run: 7325  
Number of cycles run: 7279  
Number of cycles run: 5749  
Av cycles for selfish strength 3.0 is 12154  
standard diviation is 11143.078745507071  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 7414  
Number of cycles run: 11940  
Number of cycles run: 5558  
Number of cycles run: 6820  
Number of cycles run: 21670  
Number of cycles run: 8156  
Number of cycles run: 5924  
Number of cycles run: 39348  
Number of cycles run: 5672  
Number of cycles run: 7042  
Number of cycles run: 5177  
Number of cycles run: 50000  
Number of cycles run: 7132  
Number of cycles run: 9253  
Number of cycles run: 8759  
Number of cycles run: 11877  
Number of cycles run: 6479  
Number of cycles run: 9531  
Number of cycles run: 22637  
Number of cycles run: 7351  
Number of cycles run: 7651  
Number of cycles run: 50000  
Number of cycles run: 37668  
Number of cycles run: 8835  
Number of cycles run: 11624  
Number of cycles run: 50000  
Number of cycles run: 5903  
Number of cycles run: 7513  
Number of cycles run: 14769  
Number of cycles run: 31058  
Number of cycles run: 10006  
Number of cycles run: 17288  
Number of cycles run: 10564  
Number of cycles run: 11983  
Number of cycles run: 6052  
Number of cycles run: 21112  
Number of cycles run: 10691  
Number of cycles run: 9999  
Number of cycles run: 5468  
Number of cycles run: 6688  
Number of cycles run: 7031  
Number of cycles run: 8275  
Number of cycles run: 5969  
Number of cycles run: 5163  
Number of cycles run: 10757  
Number of cycles run: 8971  
Number of cycles run: 5910  
Number of cycles run: 6879  
Number of cycles run: 6250  
Number of cycles run: 50000  
Av cycles for selfish strength 3.0 is 14156  
standard diviation is 13111.889056773738  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 50000  
Number of cycles run: 8048  
Number of cycles run: 10044  
Number of cycles run: 36190  
Number of cycles run: 50000  
Number of cycles run: 7106  
Number of cycles run: 7663  
Number of cycles run: 7061  
Number of cycles run: 6348  
Number of cycles run: 5822  
Number of cycles run: 7477  
Number of cycles run: 7087  
Number of cycles run: 13464  
Number of cycles run: 24846  
Number of cycles run: 6623  
Number of cycles run: 8098  
Number of cycles run: 17711  
Number of cycles run: 6445  
Number of cycles run: 7109  
Number of cycles run: 8507  
Number of cycles run: 8090  
Number of cycles run: 14960  
Number of cycles run: 12078  
Number of cycles run: 32202  
Number of cycles run: 7156  
Number of cycles run: 9669  
Number of cycles run: 5734  
Number of cycles run: 8880  
Number of cycles run: 9514  
Number of cycles run: 7694  
Number of cycles run: 50000  
Number of cycles run: 6756  
Number of cycles run: 40888  
Number of cycles run: 6921  
Number of cycles run: 20614  
Number of cycles run: 6884  
Number of cycles run: 6775  
Number of cycles run: 50000  
Number of cycles run: 44081  
Number of cycles run: 6461  
Number of cycles run: 6671  
Number of cycles run: 6193  
Number of cycles run: 11366  
Number of cycles run: 21338  
Number of cycles run: 6118  
Number of cycles run: 5488  
Number of cycles run: 6503  
Number of cycles run: 7626  
Number of cycles run: 8402  
Number of cycles run: 11520  
Av cycles for selfish strength 3.0 is 14844  
standard diviation is 13827.041994658177