Testing average cycles for selfish strength 4.0  
Number of cycles run: 50000  
Number of cycles run: 4562  
Number of cycles run: 14786  
Number of cycles run: 12343  
Number of cycles run: 5832  
Number of cycles run: 7484  
Number of cycles run: 6220  
Number of cycles run: 5605  
Number of cycles run: 6313  
Number of cycles run: 6972  
Number of cycles run: 7557  
Number of cycles run: 13879  
Number of cycles run: 9638  
Number of cycles run: 20361  
Number of cycles run: 5569  
Number of cycles run: 35161  
Number of cycles run: 22472  
Number of cycles run: 5100  
Number of cycles run: 6839  
Number of cycles run: 6723  
Number of cycles run: 6624  
Number of cycles run: 11047  
Number of cycles run: 5791  
Number of cycles run: 7320  
Number of cycles run: 4869  
Number of cycles run: 9404  
Number of cycles run: 6557  
Number of cycles run: 4879  
Number of cycles run: 6411  
Number of cycles run: 5786  
Number of cycles run: 8076  
Number of cycles run: 6811  
Number of cycles run: 5063  
Number of cycles run: 5205  
Number of cycles run: 6981  
Number of cycles run: 7146  
Number of cycles run: 7584  
Number of cycles run: 5653  
Number of cycles run: 9061  
Number of cycles run: 7818  
Number of cycles run: 7598  
Number of cycles run: 8003  
Number of cycles run: 7168  
Number of cycles run: 8479  
Number of cycles run: 6484  
Number of cycles run: 10859  
Number of cycles run: 6609  
Number of cycles run: 5924  
Number of cycles run: 5430  
Number of cycles run: 9812  
Av cycles for selfish strength 4.0 is 9357  
standard diviation is 7854.2520052282935  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6309  
Number of cycles run: 6737  
Number of cycles run: 7537  
Number of cycles run: 7224  
Number of cycles run: 7011  
Number of cycles run: 6121  
Number of cycles run: 22731  
Number of cycles run: 7290  
Number of cycles run: 7939  
Number of cycles run: 5989  
Number of cycles run: 6666  
Number of cycles run: 12348  
Number of cycles run: 6558  
Number of cycles run: 5890  
Number of cycles run: 6557  
Number of cycles run: 10572  
Number of cycles run: 17993  
Number of cycles run: 6534  
Number of cycles run: 8378  
Number of cycles run: 7241  
Number of cycles run: 7486  
Number of cycles run: 7685  
Number of cycles run: 9227  
Number of cycles run: 5878  
Number of cycles run: 6642  
Number of cycles run: 6866  
Number of cycles run: 7548  
Number of cycles run: 6204  
Number of cycles run: 6837  
Number of cycles run: 8539  
Number of cycles run: 9791  
Number of cycles run: 10117  
Number of cycles run: 50000  
Number of cycles run: 6364  
Number of cycles run: 15132  
Number of cycles run: 7765  
Number of cycles run: 6224  
Number of cycles run: 8422  
Number of cycles run: 7235  
Number of cycles run: 9583  
Number of cycles run: 34473  
Number of cycles run: 6302  
Number of cycles run: 21255  
Number of cycles run: 13782  
Number of cycles run: 5585  
Number of cycles run: 7419  
Number of cycles run: 9160  
Number of cycles run: 6672  
Number of cycles run: 5905  
Number of cycles run: 11521  
Av cycles for selfish strength 4.0 is 9984  
standard diviation is 7769.863717555653  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 46398  
Number of cycles run: 7879  
Number of cycles run: 6307  
Number of cycles run: 7420  
Number of cycles run: 6723  
Number of cycles run: 12286  
Number of cycles run: 6257  
Number of cycles run: 8987  
Number of cycles run: 7411  
Number of cycles run: 8087  
Number of cycles run: 50000  
Number of cycles run: 16821  
Number of cycles run: 7249  
Number of cycles run: 6610  
Number of cycles run: 11280  
Number of cycles run: 7599  
Number of cycles run: 13041  
Number of cycles run: 5382  
Number of cycles run: 6101  
Number of cycles run: 6767  
Number of cycles run: 10703  
Number of cycles run: 10653  
Number of cycles run: 7417  
Number of cycles run: 6312  
Number of cycles run: 7974  
Number of cycles run: 6368  
Number of cycles run: 5910  
Number of cycles run: 6706  
Number of cycles run: 13078  
Number of cycles run: 6755  
Number of cycles run: 5730  
Number of cycles run: 6271  
Number of cycles run: 6751  
Number of cycles run: 50000  
Number of cycles run: 9448  
Number of cycles run: 50000  
Number of cycles run: 8901  
Number of cycles run: 9471  
Number of cycles run: 22295  
Number of cycles run: 6130  
Number of cycles run: 17802  
Number of cycles run: 6280  
Number of cycles run: 8624  
Number of cycles run: 40795  
Number of cycles run: 7642  
Number of cycles run: 6990  
Number of cycles run: 9467  
Number of cycles run: 7566  
Number of cycles run: 21824  
Number of cycles run: 6916  
Av cycles for selfish strength 4.0 is 12787  
standard diviation is 12308.46343207695  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6857  
Number of cycles run: 12126  
Number of cycles run: 11380  
Number of cycles run: 6156  
Number of cycles run: 50000  
Number of cycles run: 6664  
Number of cycles run: 12340  
Number of cycles run: 50000  
Number of cycles run: 7816  
Number of cycles run: 7141  
Number of cycles run: 6104  
Number of cycles run: 30758  
Number of cycles run: 33285  
Number of cycles run: 6120  
Number of cycles run: 9031  
Number of cycles run: 33863  
Number of cycles run: 12962  
Number of cycles run: 7177  
Number of cycles run: 11468  
Number of cycles run: 9262  
Number of cycles run: 8341  
Number of cycles run: 17629  
Number of cycles run: 6108  
Number of cycles run: 6155  
Number of cycles run: 5743  
Number of cycles run: 6203  
Number of cycles run: 6635  
Number of cycles run: 6897  
Number of cycles run: 6852  
Number of cycles run: 8449  
Number of cycles run: 50000  
Number of cycles run: 7818  
Number of cycles run: 50000  
Number of cycles run: 7198  
Number of cycles run: 50000  
Number of cycles run: 9861  
Number of cycles run: 9432  
Number of cycles run: 7370  
Number of cycles run: 8010  
Number of cycles run: 11656  
Number of cycles run: 6389  
Number of cycles run: 6711  
Number of cycles run: 7642  
Number of cycles run: 7041  
Number of cycles run: 17941  
Number of cycles run: 15401  
Number of cycles run: 7320  
Number of cycles run: 7207  
Number of cycles run: 8446  
Number of cycles run: 5882  
Av cycles for selfish strength 4.0 is 14216  
standard diviation is 13637.183709510507  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6863  
Number of cycles run: 16777  
Number of cycles run: 7876  
Number of cycles run: 8135  
Number of cycles run: 9198  
Number of cycles run: 6498  
Number of cycles run: 6592  
Number of cycles run: 9883  
Number of cycles run: 5005  
Number of cycles run: 7382  
Number of cycles run: 7169  
Number of cycles run: 8531  
Number of cycles run: 9153  
Number of cycles run: 8005  
Number of cycles run: 7374  
Number of cycles run: 6368  
Number of cycles run: 5779  
Number of cycles run: 8438  
Number of cycles run: 11886  
Number of cycles run: 23151  
Number of cycles run: 8895  
Number of cycles run: 5954  
Number of cycles run: 5879  
Number of cycles run: 9346  
Number of cycles run: 6124  
Number of cycles run: 5633  
Number of cycles run: 6393  
Number of cycles run: 50000  
Number of cycles run: 20448  
Number of cycles run: 5336  
Number of cycles run: 6455  
Number of cycles run: 7937  
Number of cycles run: 15984  
Number of cycles run: 8400  
Number of cycles run: 7338  
Number of cycles run: 21672  
Number of cycles run: 6943  
Number of cycles run: 5487  
Number of cycles run: 41252  
Number of cycles run: 25241  
Number of cycles run: 6810  
Number of cycles run: 6454  
Number of cycles run: 7801  
Number of cycles run: 7474  
Number of cycles run: 16393  
Number of cycles run: 13075  
Number of cycles run: 6659  
Number of cycles run: 8005  
Number of cycles run: 6961  
Number of cycles run: 5987  
Av cycles for selfish strength 4.0 is 10727  
standard diviation is 8690.030246982424  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 50000  
Number of cycles run: 4832  
Number of cycles run: 5753  
Number of cycles run: 6923  
Number of cycles run: 18459  
Number of cycles run: 9333  
Number of cycles run: 38641  
Number of cycles run: 9817  
Number of cycles run: 6846  
Number of cycles run: 6075  
Number of cycles run: 7949  
Number of cycles run: 6034  
Number of cycles run: 7327  
Number of cycles run: 14302  
Number of cycles run: 7560  
Number of cycles run: 7456  
Number of cycles run: 50000  
Number of cycles run: 6485  
Number of cycles run: 5561  
Number of cycles run: 8292  
Number of cycles run: 8823  
Number of cycles run: 6835  
Number of cycles run: 50000  
Number of cycles run: 6643

Number of cycles run: 7819  
Number of cycles run: 5800  
Number of cycles run: 16304  
Number of cycles run: 7667  
Number of cycles run: 5881  
Number of cycles run: 6875  
Number of cycles run: 7958  
Number of cycles run: 8542  
Number of cycles run: 50000  
Number of cycles run: 13250  
Number of cycles run: 10023  
Number of cycles run: 13104  
Number of cycles run: 12675  
Number of cycles run: 43095  
Number of cycles run: 8141  
Number of cycles run: 50000  
Number of cycles run: 7513  
Number of cycles run: 7517  
Number of cycles run: 6230  
Number of cycles run: 7512  
Number of cycles run: 7424  
Number of cycles run: 6453  
Number of cycles run: 5561  
Number of cycles run: 5153  
Number of cycles run: 9303  
Number of cycles run: 6000  
Av cycles for selfish strength 4.0 is 13714  
standard diviation is 14095.800310788763  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 22750  
Number of cycles run: 7246  
Number of cycles run: 7673  
Number of cycles run: 10133  
Number of cycles run: 9578  
Number of cycles run: 9961  
Number of cycles run: 9311  
Number of cycles run: 6832  
Number of cycles run: 7493  
Number of cycles run: 10652  
Number of cycles run: 7916  
Number of cycles run: 5381  
Number of cycles run: 7319  
Number of cycles run: 7879  
Number of cycles run: 6697  
Number of cycles run: 6793  
Number of cycles run: 5955  
Number of cycles run: 7296  
Number of cycles run: 6245  
Number of cycles run: 6121  
Number of cycles run: 8202  
Number of cycles run: 6433  
Number of cycles run: 6497  
Number of cycles run: 6564  
Number of cycles run: 40066  
Number of cycles run: 8119  
Number of cycles run: 8809  
Number of cycles run: 7406  
Number of cycles run: 6555  
Number of cycles run: 8187  
Number of cycles run: 6505  
Number of cycles run: 7623  
Number of cycles run: 16061  
Number of cycles run: 7111  
Number of cycles run: 36639  
Number of cycles run: 7398  
Number of cycles run: 7216  
Number of cycles run: 9577  
Number of cycles run: 6428  
Number of cycles run: 7845  
Number of cycles run: 6527  
Number of cycles run: 37952  
Number of cycles run: 6601  
Number of cycles run: 50000  
Number of cycles run: 6207  
Number of cycles run: 27799  
Number of cycles run: 6627  
Number of cycles run: 7864  
Number of cycles run: 7944  
Number of cycles run: 6816  
Av cycles for selfish strength 4.0 is 11056  
standard diviation is 9887.669246602258  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 8534  
Number of cycles run: 7614  
Number of cycles run: 24164  
Number of cycles run: 10951  
Number of cycles run: 7441  
Number of cycles run: 50000  
Number of cycles run: 6429  
Number of cycles run: 18994  
Number of cycles run: 50000  
Number of cycles run: 5575  
Number of cycles run: 6482  
Number of cycles run: 5968  
Number of cycles run: 6679  
Number of cycles run: 6665  
Number of cycles run: 6775  
Number of cycles run: 5329  
Number of cycles run: 6111  
Number of cycles run: 7084  
Number of cycles run: 50000  
Number of cycles run: 9748  
Number of cycles run: 5757  
Number of cycles run: 6317  
Number of cycles run: 42616  
Number of cycles run: 8813  
Number of cycles run: 16996  
Number of cycles run: 5860  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5898  
Number of cycles run: 8810  
Number of cycles run: 50000  
Number of cycles run: 8320  
Number of cycles run: 7705  
Number of cycles run: 14407  
Number of cycles run: 14931  
Number of cycles run: 6498  
Number of cycles run: 50000  
Number of cycles run: 7501  
Number of cycles run: 6828  
Number of cycles run: 18367  
Number of cycles run: 5389  
Number of cycles run: 7822  
Number of cycles run: 7399  
Number of cycles run: 7169  
Number of cycles run: 6194  
Number of cycles run: 7701  
Number of cycles run: 50000  
Number of cycles run: 7235  
Number of cycles run: 7370  
Number of cycles run: 7290  
Av cycles for selfish strength 4.0 is 15994  
standard diviation is 16195.84906764819  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6884  
Number of cycles run: 5616  
Number of cycles run: 50000  
Number of cycles run: 6911  
Number of cycles run: 13304  
Number of cycles run: 15343  
Number of cycles run: 9380  
Number of cycles run: 6149  
Number of cycles run: 12406  
Number of cycles run: 6169  
Number of cycles run: 50000  
Number of cycles run: 6838  
Number of cycles run: 8066  
Number of cycles run: 6731  
Number of cycles run: 9483  
Number of cycles run: 9386  
Number of cycles run: 8420  
Number of cycles run: 5903  
Number of cycles run: 5954  
Number of cycles run: 10119  
Number of cycles run: 9412  
Number of cycles run: 7877  
Number of cycles run: 6319  
Number of cycles run: 7942  
Number of cycles run: 6958  
Number of cycles run: 8399  
Number of cycles run: 7989  
Number of cycles run: 6083  
Number of cycles run: 7890  
Number of cycles run: 5795  
Number of cycles run: 12391  
Number of cycles run: 9536  
Number of cycles run: 5471  
Number of cycles run: 7373  
Number of cycles run: 6483  
Number of cycles run: 4753  
Number of cycles run: 5810  
Number of cycles run: 9673  
Number of cycles run: 50000  
Number of cycles run: 29792  
Number of cycles run: 8909  
Number of cycles run: 8354  
Number of cycles run: 20093  
Number of cycles run: 5889  
Number of cycles run: 15991  
Number of cycles run: 5967  
Number of cycles run: 50000  
Number of cycles run: 8146  
Number of cycles run: 6325  
Number of cycles run: 7128  
Av cycles for selfish strength 4.0 is 12116  
standard diviation is 12045.0345464216  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 4934  
Number of cycles run: 9108  
Number of cycles run: 11731  
Number of cycles run: 4896  
Number of cycles run: 11309  
Number of cycles run: 50000  
Number of cycles run: 6597  
Number of cycles run: 43776  
Number of cycles run: 6770  
Number of cycles run: 10127  
Number of cycles run: 6555  
Number of cycles run: 13952  
Number of cycles run: 10462  
Number of cycles run: 7238  
Number of cycles run: 6140  
Number of cycles run: 26259  
Number of cycles run: 7617  
Number of cycles run: 32677  
Number of cycles run: 7450  
Number of cycles run: 10802  
Number of cycles run: 10273  
Number of cycles run: 30571  
Number of cycles run: 9908  
Number of cycles run: 6313  
Number of cycles run: 50000  
Number of cycles run: 5842  
Number of cycles run: 7582  
Number of cycles run: 7854  
Number of cycles run: 8998  
Number of cycles run: 8099  
Number of cycles run: 35925  
Number of cycles run: 6543  
Number of cycles run: 8275  
Number of cycles run: 6783  
Number of cycles run: 18372  
Number of cycles run: 6635  
Number of cycles run: 23750  
Number of cycles run: 7080  
Number of cycles run: 6681  
Number of cycles run: 26366  
Number of cycles run: 8166  
Number of cycles run: 8735  
Number of cycles run: 6519  
Number of cycles run: 7127  
Number of cycles run: 6393  
Number of cycles run: 8374  
Number of cycles run: 7400  
Number of cycles run: 5871  
Number of cycles run: 7355  
Number of cycles run: 8949  
Av cycles for selfish strength 4.0 is 13102  
standard diviation is 11586.15114076865