Testing average cycles for selfish strength 2.0  
Number of cycles run: 5907  
Number of cycles run: 7784  
Number of cycles run: 50000  
Number of cycles run: 9548  
Number of cycles run: 7353  
Number of cycles run: 50000  
Number of cycles run: 7512  
Number of cycles run: 5839  
Number of cycles run: 5731  
Number of cycles run: 8618  
Number of cycles run: 5732  
Number of cycles run: 8707  
Number of cycles run: 11518  
Number of cycles run: 9672  
Number of cycles run: 9472  
Number of cycles run: 9565  
Number of cycles run: 50000  
Number of cycles run: 7334  
Number of cycles run: 50000  
Number of cycles run: 6387  
Number of cycles run: 8132  
Number of cycles run: 50000  
Number of cycles run: 8403  
Number of cycles run: 19299  
Number of cycles run: 12031  
Number of cycles run: 6905  
Number of cycles run: 6432  
Number of cycles run: 6993  
Number of cycles run: 13473  
Number of cycles run: 25924  
Number of cycles run: 6607  
Number of cycles run: 31062  
Number of cycles run: 6557  
Number of cycles run: 7846  
Number of cycles run: 6942  
Number of cycles run: 6101  
Number of cycles run: 7611  
Number of cycles run: 7550  
Number of cycles run: 9064  
Number of cycles run: 8746  
Number of cycles run: 23255  
Number of cycles run: 6813  
Number of cycles run: 7143  
Number of cycles run: 7677  
Number of cycles run: 50000  
Number of cycles run: 47094  
Number of cycles run: 21066  
Number of cycles run: 50000  
Number of cycles run: 6200  
Number of cycles run: 5884  
Av cycles for selfish strength 2.0 is 16149  
standard diviation is 15686.738747822921  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 6542  
Number of cycles run: 8998  
Number of cycles run: 9304  
Number of cycles run: 7642  
Number of cycles run: 7975  
Number of cycles run: 9435  
Number of cycles run: 9582  
Number of cycles run: 7033  
Number of cycles run: 6898  
Number of cycles run: 6336  
Number of cycles run: 12113  
Number of cycles run: 50000  
Number of cycles run: 8032  
Number of cycles run: 9567  
Number of cycles run: 7794  
Number of cycles run: 9546  
Number of cycles run: 14688  
Number of cycles run: 8423  
Number of cycles run: 8762  
Number of cycles run: 27375  
Number of cycles run: 7653  
Number of cycles run: 11113  
Number of cycles run: 13603  
Number of cycles run: 34344  
Number of cycles run: 8868  
Number of cycles run: 7745  
Number of cycles run: 7580  
Number of cycles run: 8254  
Number of cycles run: 37793  
Number of cycles run: 6089  
Number of cycles run: 8032  
Number of cycles run: 7069  
Number of cycles run: 7062  
Number of cycles run: 7509  
Number of cycles run: 20254  
Number of cycles run: 5668  
Number of cycles run: 7724  
Number of cycles run: 6963  
Number of cycles run: 10286  
Number of cycles run: 8095  
Number of cycles run: 11586  
Number of cycles run: 7156  
Number of cycles run: 9396  
Number of cycles run: 9732  
Number of cycles run: 7511  
Number of cycles run: 50000  
Number of cycles run: 12519  
Number of cycles run: 7827  
Number of cycles run: 8524  
Number of cycles run: 17601  
Av cycles for selfish strength 2.0 is 12192  
standard diviation is 10131.430925166916  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 5659  
Number of cycles run: 8092  
Number of cycles run: 5533  
Number of cycles run: 8128  
Number of cycles run: 7420  
Number of cycles run: 5662  
Number of cycles run: 8313  
Number of cycles run: 6613  
Number of cycles run: 46780  
Number of cycles run: 6310  
Number of cycles run: 5712  
Number of cycles run: 22482  
Number of cycles run: 6701  
Number of cycles run: 8614  
Number of cycles run: 7292  
Number of cycles run: 6851  
Number of cycles run: 7571  
Number of cycles run: 7368  
Number of cycles run: 7788  
Number of cycles run: 11251  
Number of cycles run: 50000  
Number of cycles run: 7294  
Number of cycles run: 8838  
Number of cycles run: 7155  
Number of cycles run: 15509  
Number of cycles run: 6372  
Number of cycles run: 8124  
Number of cycles run: 6909  
Number of cycles run: 7736  
Number of cycles run: 6711  
Number of cycles run: 23968  
Number of cycles run: 6534  
Number of cycles run: 11356  
Number of cycles run: 6920  
Number of cycles run: 8014  
Number of cycles run: 9461  
Number of cycles run: 12674  
Number of cycles run: 6301  
Number of cycles run: 8859  
Number of cycles run: 7814  
Number of cycles run: 5840  
Number of cycles run: 7678  
Number of cycles run: 14307  
Number of cycles run: 23293  
Number of cycles run: 50000  
Number of cycles run: 6027  
Number of cycles run: 6285  
Number of cycles run: 9901  
Number of cycles run: 7081  
Av cycles for selfish strength 2.0 is 12142  
standard diviation is 11815.925162617246  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 8118  
Number of cycles run: 10975  
Number of cycles run: 9700  
Number of cycles run: 6608  
Number of cycles run: 7086  
Number of cycles run: 8457  
Number of cycles run: 7270  
Number of cycles run: 7379  
Number of cycles run: 22281  
Number of cycles run: 5671  
Number of cycles run: 5760  
Number of cycles run: 13494  
Number of cycles run: 15795  
Number of cycles run: 7148  
Number of cycles run: 7116  
Number of cycles run: 6664  
Number of cycles run: 36012  
Number of cycles run: 10418  
Number of cycles run: 8106  
Number of cycles run: 7140  
Number of cycles run: 50000  
Number of cycles run: 9645  
Number of cycles run: 19876  
Number of cycles run: 7014  
Number of cycles run: 16004  
Number of cycles run: 50000  
Number of cycles run: 6287  
Number of cycles run: 6499  
Number of cycles run: 33121  
Number of cycles run: 50000  
Number of cycles run: 6623  
Number of cycles run: 8453  
Number of cycles run: 50000  
Number of cycles run: 5777  
Number of cycles run: 11038  
Number of cycles run: 9988  
Number of cycles run: 50000  
Number of cycles run: 8033  
Number of cycles run: 8910  
Number of cycles run: 7201  
Number of cycles run: 10537  
Number of cycles run: 9087  
Number of cycles run: 7296  
Number of cycles run: 15595  
Number of cycles run: 11197  
Number of cycles run: 18197  
Number of cycles run: 12424  
Number of cycles run: 10730  
Number of cycles run: 8596  
Number of cycles run: 7657  
Av cycles for selfish strength 2.0 is 14739  
standard diviation is 13354.370669712654  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 6637  
Number of cycles run: 7414  
Number of cycles run: 9671  
Number of cycles run: 10238  
Number of cycles run: 7265  
Number of cycles run: 9126  
Number of cycles run: 10570  
Number of cycles run: 7119  
Number of cycles run: 9796  
Number of cycles run: 6736  
Number of cycles run: 6724  
Number of cycles run: 20040  
Number of cycles run: 7032  
Number of cycles run: 7781  
Number of cycles run: 7917  
Number of cycles run: 6609  
Number of cycles run: 8990  
Number of cycles run: 7459  
Number of cycles run: 8427  
Number of cycles run: 7915  
Number of cycles run: 7971  
Number of cycles run: 8181  
Number of cycles run: 8442  
Number of cycles run: 7130  
Number of cycles run: 5935  
Number of cycles run: 50000  
Number of cycles run: 6139  
Number of cycles run: 7259  
Number of cycles run: 7420  
Number of cycles run: 10057  
Number of cycles run: 7370  
Number of cycles run: 6349  
Number of cycles run: 5688  
Number of cycles run: 7986  
Number of cycles run: 27057  
Number of cycles run: 8768  
Number of cycles run: 23337  
Number of cycles run: 6901  
Number of cycles run: 6739  
Number of cycles run: 7235  
Number of cycles run: 31674  
Number of cycles run: 50000  
Number of cycles run: 7167  
Number of cycles run: 7143  
Number of cycles run: 6793  
Number of cycles run: 11412  
Number of cycles run: 7601  
Number of cycles run: 14879  
Number of cycles run: 6999  
Number of cycles run: 8162  
Av cycles for selfish strength 2.0 is 11025  
standard diviation is 9576.287789991207  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 21331  
Number of cycles run: 5214  
Number of cycles run: 5953  
Number of cycles run: 10298  
Number of cycles run: 6699  
Number of cycles run: 50000  
Number of cycles run: 16506  
Number of cycles run: 6337  
Number of cycles run: 6351  
Number of cycles run: 13179  
Number of cycles run: 50000  
Number of cycles run: 6636  
Number of cycles run: 9197  
Number of cycles run: 5183  
Number of cycles run: 50000  
Number of cycles run: 8031  
Number of cycles run: 7786  
Number of cycles run: 50000  
Number of cycles run: 6585  
Number of cycles run: 9758  
Number of cycles run: 6565  
Number of cycles run: 7165  
Number of cycles run: 8146

Number of cycles run: 50000  
Number of cycles run: 7291  
Number of cycles run: 8225  
Number of cycles run: 7288  
Number of cycles run: 9242  
Number of cycles run: 9138  
Number of cycles run: 9310  
Number of cycles run: 6375  
Number of cycles run: 14376  
Number of cycles run: 17822  
Number of cycles run: 7167  
Number of cycles run: 8124  
Number of cycles run: 18363  
Number of cycles run: 6685  
Number of cycles run: 46839  
Number of cycles run: 7081  
Number of cycles run: 7210  
Number of cycles run: 6894  
Number of cycles run: 50000  
Number of cycles run: 6827  
Number of cycles run: 8969  
Number of cycles run: 7479  
Number of cycles run: 8138  
Number of cycles run: 6977  
Number of cycles run: 6528  
Number of cycles run: 50000  
Number of cycles run: 8530  
Av cycles for selfish strength 2.0 is 15355  
standard diviation is 15475.726784502609  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 10382  
Number of cycles run: 45540  
Number of cycles run: 43817  
Number of cycles run: 10124  
Number of cycles run: 50000  
Number of cycles run: 10175  
Number of cycles run: 8452  
Number of cycles run: 9343  
Number of cycles run: 23147  
Number of cycles run: 12878  
Number of cycles run: 13916  
Number of cycles run: 7940  
Number of cycles run: 13222  
Number of cycles run: 5441  
Number of cycles run: 8749  
Number of cycles run: 16139  
Number of cycles run: 10111  
Number of cycles run: 32714  
Number of cycles run: 6036  
Number of cycles run: 8749  
Number of cycles run: 7842  
Number of cycles run: 5518  
Number of cycles run: 13148  
Number of cycles run: 6245  
Number of cycles run: 8155  
Number of cycles run: 26915  
Number of cycles run: 7020  
Number of cycles run: 15898  
Number of cycles run: 5812  
Number of cycles run: 8446  
Number of cycles run: 8185  
Number of cycles run: 19845  
Number of cycles run: 8434  
Number of cycles run: 7967  
Number of cycles run: 25442  
Number of cycles run: 6648  
Number of cycles run: 28364  
Number of cycles run: 11417  
Number of cycles run: 7493  
Number of cycles run: 8714  
Number of cycles run: 13476  
Number of cycles run: 7406  
Number of cycles run: 9620  
Number of cycles run: 12169  
Number of cycles run: 7117  
Number of cycles run: 12772  
Number of cycles run: 9010  
Number of cycles run: 7479  
Number of cycles run: 10637  
Number of cycles run: 7130  
Av cycles for selfish strength 2.0 is 13623  
standard diviation is 10418.379603902922  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 7316  
Number of cycles run: 8174  
Number of cycles run: 17706  
Number of cycles run: 50000  
Number of cycles run: 6021  
Number of cycles run: 7794  
Number of cycles run: 7755  
Number of cycles run: 6224  
Number of cycles run: 6892  
Number of cycles run: 15151  
Number of cycles run: 6464  
Number of cycles run: 6795  
Number of cycles run: 6309  
Number of cycles run: 10888  
Number of cycles run: 8205  
Number of cycles run: 50000  
Number of cycles run: 8240  
Number of cycles run: 6942  
Number of cycles run: 9726  
Number of cycles run: 8027  
Number of cycles run: 7052  
Number of cycles run: 7692  
Number of cycles run: 8224  
Number of cycles run: 5975  
Number of cycles run: 10549  
Number of cycles run: 5286  
Number of cycles run: 8557  
Number of cycles run: 6663  
Number of cycles run: 6299  
Number of cycles run: 11327  
Number of cycles run: 10089  
Number of cycles run: 6354  
Number of cycles run: 7542  
Number of cycles run: 6349  
Number of cycles run: 6451  
Number of cycles run: 8123  
Number of cycles run: 19303  
Number of cycles run: 8826  
Number of cycles run: 24437  
Number of cycles run: 7306  
Number of cycles run: 6886  
Number of cycles run: 6873  
Number of cycles run: 10172  
Number of cycles run: 7926  
Number of cycles run: 6442  
Number of cycles run: 5989  
Number of cycles run: 6458  
Number of cycles run: 6568  
Number of cycles run: 7582  
Number of cycles run: 5739  
Av cycles for selfish strength 2.0 is 10153  
standard diviation is 8966.619417936865  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 8521  
Number of cycles run: 7067  
Number of cycles run: 39585  
Number of cycles run: 5819  
Number of cycles run: 7644  
Number of cycles run: 8036  
Number of cycles run: 6598  
Number of cycles run: 8257  
Number of cycles run: 8969  
Number of cycles run: 6637  
Number of cycles run: 8692  
Number of cycles run: 8264  
Number of cycles run: 8142  
Number of cycles run: 7538  
Number of cycles run: 28645  
Number of cycles run: 7589  
Number of cycles run: 6592  
Number of cycles run: 6928  
Number of cycles run: 6684  
Number of cycles run: 6957  
Number of cycles run: 12976  
Number of cycles run: 7752  
Number of cycles run: 13582  
Number of cycles run: 6413  
Number of cycles run: 6524  
Number of cycles run: 6488  
Number of cycles run: 6767  
Number of cycles run: 6244  
Number of cycles run: 14499  
Number of cycles run: 7765  
Number of cycles run: 8065  
Number of cycles run: 6819  
Number of cycles run: 8033  
Number of cycles run: 8380  
Number of cycles run: 6030  
Number of cycles run: 5855  
Number of cycles run: 6296  
Number of cycles run: 6595  
Number of cycles run: 6024  
Number of cycles run: 50000  
Number of cycles run: 6608  
Number of cycles run: 5755  
Number of cycles run: 6540  
Number of cycles run: 31995  
Number of cycles run: 9625  
Number of cycles run: 50000  
Number of cycles run: 9485  
Number of cycles run: 9664  
Number of cycles run: 6220  
Number of cycles run: 50000  
Av cycles for selfish strength 2.0 is 11803  
standard diviation is 11723.574442401541  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 8796  
Number of cycles run: 7688  
Number of cycles run: 10778  
Number of cycles run: 7130  
Number of cycles run: 7818  
Number of cycles run: 6531  
Number of cycles run: 6524  
Number of cycles run: 8483  
Number of cycles run: 6463  
Number of cycles run: 6996  
Number of cycles run: 8386  
Number of cycles run: 12745  
Number of cycles run: 9772  
Number of cycles run: 6576  
Number of cycles run: 6084  
Number of cycles run: 50000  
Number of cycles run: 7298  
Number of cycles run: 6439  
Number of cycles run: 7489  
Number of cycles run: 8611  
Number of cycles run: 8561  
Number of cycles run: 7186  
Number of cycles run: 8780  
Number of cycles run: 6417  
Number of cycles run: 7141  
Number of cycles run: 7197  
Number of cycles run: 8270  
Number of cycles run: 8865  
Number of cycles run: 7157  
Number of cycles run: 9778  
Number of cycles run: 13878  
Number of cycles run: 9403  
Number of cycles run: 8803  
Number of cycles run: 12508  
Number of cycles run: 6885  
Number of cycles run: 8132  
Number of cycles run: 9033  
Number of cycles run: 6288  
Number of cycles run: 7793  
Number of cycles run: 7567  
Number of cycles run: 7518  
Number of cycles run: 8788  
Number of cycles run: 6198  
Number of cycles run: 7240  
Number of cycles run: 7283  
Number of cycles run: 8483  
Number of cycles run: 17094  
Number of cycles run: 7162  
Number of cycles run: 15870  
Av cycles for selfish strength 2.0 is 10117  
standard diviation is 8547.491084928884