Testing average cycles for selfish strength 1.5  
Number of cycles run: 7707  
Number of cycles run: 50000  
Number of cycles run: 9920  
Number of cycles run: 50000  
Number of cycles run: 6822  
Number of cycles run: 8730  
Number of cycles run: 5974  
Number of cycles run: 7497  
Number of cycles run: 30281  
Number of cycles run: 9391  
Number of cycles run: 10149  
Number of cycles run: 9337  
Number of cycles run: 8922  
Number of cycles run: 15851  
Number of cycles run: 6550  
Number of cycles run: 50000  
Number of cycles run: 7245  
Number of cycles run: 28042  
Number of cycles run: 9676  
Number of cycles run: 7672  
Number of cycles run: 9404  
Number of cycles run: 6814  
Number of cycles run: 17403  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8218  
Number of cycles run: 6294  
Number of cycles run: 8025  
Number of cycles run: 7609  
Number of cycles run: 6043  
Number of cycles run: 6390  
Number of cycles run: 7301  
Number of cycles run: 9185  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8335  
Number of cycles run: 11162  
Number of cycles run: 6914  
Number of cycles run: 7600  
Number of cycles run: 8691  
Number of cycles run: 50000  
Number of cycles run: 8274  
Number of cycles run: 7711  
Number of cycles run: 7143  
Number of cycles run: 8821  
Number of cycles run: 7571  
Number of cycles run: 11717  
Number of cycles run: 7807  
Number of cycles run: 6269  
Number of cycles run: 8137  
Av cycles for selfish strength 1.5 is 15972  
standard diviation is 15683.513826711573  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 9119  
Number of cycles run: 8615  
Number of cycles run: 14235  
Number of cycles run: 8917  
Number of cycles run: 9579  
Number of cycles run: 6003  
Number of cycles run: 7630  
Number of cycles run: 16452  
Number of cycles run: 7420  
Number of cycles run: 6261  
Number of cycles run: 9246  
Number of cycles run: 6495  
Number of cycles run: 7575  
Number of cycles run: 7537  
Number of cycles run: 9061  
Number of cycles run: 10217  
Number of cycles run: 7951  
Number of cycles run: 7871  
Number of cycles run: 22243  
Number of cycles run: 7605  
Number of cycles run: 7442  
Number of cycles run: 7054  
Number of cycles run: 50000  
Number of cycles run: 7856  
Number of cycles run: 7956  
Number of cycles run: 8265  
Number of cycles run: 8135  
Number of cycles run: 6372  
Number of cycles run: 9759  
Number of cycles run: 6781  
Number of cycles run: 50000  
Number of cycles run: 9308  
Number of cycles run: 6495  
Number of cycles run: 6268  
Number of cycles run: 8779  
Number of cycles run: 18415  
Number of cycles run: 5156  
Number of cycles run: 12264  
Number of cycles run: 7222  
Number of cycles run: 7235  
Number of cycles run: 7448  
Number of cycles run: 6382  
Number of cycles run: 6808  
Number of cycles run: 7538  
Number of cycles run: 8014  
Number of cycles run: 6962  
Number of cycles run: 7082  
Number of cycles run: 8684  
Number of cycles run: 5864  
Number of cycles run: 11136  
Av cycles for selfish strength 1.5 is 10334  
standard diviation is 8765.684965866405  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 50000  
Number of cycles run: 8482  
Number of cycles run: 14479  
Number of cycles run: 20056  
Number of cycles run: 7040  
Number of cycles run: 16315  
Number of cycles run: 50000  
Number of cycles run: 6643  
Number of cycles run: 6686  
Number of cycles run: 7214  
Number of cycles run: 50000  
Number of cycles run: 8335  
Number of cycles run: 8387  
Number of cycles run: 7888  
Number of cycles run: 8913  
Number of cycles run: 9153  
Number of cycles run: 8644  
Number of cycles run: 12241  
Number of cycles run: 7748  
Number of cycles run: 5751  
Number of cycles run: 8461  
Number of cycles run: 20725  
Number of cycles run: 50000  
Number of cycles run: 7541  
Number of cycles run: 24886  
Number of cycles run: 7533  
Number of cycles run: 7173  
Number of cycles run: 7293  
Number of cycles run: 7945  
Number of cycles run: 18453  
Number of cycles run: 6254  
Number of cycles run: 12691  
Number of cycles run: 5943  
Number of cycles run: 50000  
Number of cycles run: 14999  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9582  
Number of cycles run: 8282  
Number of cycles run: 6122  
Number of cycles run: 6371  
Number of cycles run: 7573  
Number of cycles run: 40517  
Number of cycles run: 13700  
Number of cycles run: 7009  
Number of cycles run: 19306  
Number of cycles run: 7131  
Number of cycles run: 14672  
Number of cycles run: 50000  
Number of cycles run: 7840  
Av cycles for selfish strength 1.5 is 17239  
standard diviation is 15675.686398030159  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 8275  
Number of cycles run: 22677  
Number of cycles run: 6945  
Number of cycles run: 8111  
Number of cycles run: 6588  
Number of cycles run: 9064  
Number of cycles run: 8248  
Number of cycles run: 33240  
Number of cycles run: 6016  
Number of cycles run: 8497  
Number of cycles run: 13144  
Number of cycles run: 11604  
Number of cycles run: 7499  
Number of cycles run: 5912  
Number of cycles run: 7227  
Number of cycles run: 7069  
Number of cycles run: 6716  
Number of cycles run: 18912  
Number of cycles run: 6466  
Number of cycles run: 6486  
Number of cycles run: 6292  
Number of cycles run: 6695  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 28873  
Number of cycles run: 14622  
Number of cycles run: 7514  
Number of cycles run: 9705  
Number of cycles run: 8121  
Number of cycles run: 12868  
Number of cycles run: 11653  
Number of cycles run: 16447  
Number of cycles run: 8149  
Number of cycles run: 20485  
Number of cycles run: 6629  
Number of cycles run: 7173  
Number of cycles run: 7500  
Number of cycles run: 8090  
Number of cycles run: 23241  
Number of cycles run: 6321  
Number of cycles run: 6606  
Number of cycles run: 6763  
Number of cycles run: 6540  
Number of cycles run: 6439  
Number of cycles run: 7796  
Number of cycles run: 6765  
Number of cycles run: 9358  
Number of cycles run: 7248  
Number of cycles run: 27180  
Number of cycles run: 6305  
Av cycles for selfish strength 1.5 is 12201  
standard diviation is 10151.512225219232  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 50000  
Number of cycles run: 28037  
Number of cycles run: 7198  
Number of cycles run: 7187  
Number of cycles run: 7099  
Number of cycles run: 7040  
Number of cycles run: 7817  
Number of cycles run: 5754  
Number of cycles run: 50000  
Number of cycles run: 8599  
Number of cycles run: 7469  
Number of cycles run: 8352  
Number of cycles run: 7600  
Number of cycles run: 6954  
Number of cycles run: 9296  
Number of cycles run: 7891  
Number of cycles run: 48150  
Number of cycles run: 7016  
Number of cycles run: 6091  
Number of cycles run: 6351  
Number of cycles run: 7576  
Number of cycles run: 9499  
Number of cycles run: 6478  
Number of cycles run: 12458  
Number of cycles run: 6207  
Number of cycles run: 7146  
Number of cycles run: 23430  
Number of cycles run: 8615  
Number of cycles run: 7705  
Number of cycles run: 6656  
Number of cycles run: 11046  
Number of cycles run: 10430  
Number of cycles run: 8145  
Number of cycles run: 13523  
Number of cycles run: 50000  
Number of cycles run: 23823  
Number of cycles run: 7984  
Number of cycles run: 6438  
Number of cycles run: 7027  
Number of cycles run: 6569  
Number of cycles run: 5792  
Number of cycles run: 8586  
Number of cycles run: 13746  
Number of cycles run: 10271  
Number of cycles run: 7852  
Number of cycles run: 6357  
Number of cycles run: 7979  
Number of cycles run: 6756  
Number of cycles run: 11527  
Number of cycles run: 7404  
Av cycles for selfish strength 1.5 is 12418  
standard diviation is 11934.668734645058  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 10375  
Number of cycles run: 23088  
Number of cycles run: 10498  
Number of cycles run: 11805  
Number of cycles run: 9705  
Number of cycles run: 8315  
Number of cycles run: 6679  
Number of cycles run: 5826  
Number of cycles run: 6523  
Number of cycles run: 6669  
Number of cycles run: 9738  
Number of cycles run: 7650  
Number of cycles run: 8946  
Number of cycles run: 8684  
Number of cycles run: 16605  
Number of cycles run: 8480  
Number of cycles run: 10801  
Number of cycles run: 8164  
Number of cycles run: 8183  
Number of cycles run: 8593  
Number of cycles run: 7254  
Number of cycles run: 12078  
Number of cycles run: 10650

Number of cycles run: 34506  
Number of cycles run: 8550  
Number of cycles run: 9198  
Number of cycles run: 7689  
Number of cycles run: 50000  
Number of cycles run: 8859  
Number of cycles run: 9391  
Number of cycles run: 6256  
Number of cycles run: 6616  
Number of cycles run: 50000  
Number of cycles run: 12069  
Number of cycles run: 9757  
Number of cycles run: 48096  
Number of cycles run: 7988  
Number of cycles run: 8086  
Number of cycles run: 15038  
Number of cycles run: 7099  
Number of cycles run: 9753  
Number of cycles run: 6764  
Number of cycles run: 8108  
Number of cycles run: 6241  
Number of cycles run: 9288  
Number of cycles run: 8214  
Number of cycles run: 47572  
Number of cycles run: 7388  
Number of cycles run: 8751  
Number of cycles run: 7541  
Av cycles for selfish strength 1.5 is 12882  
standard diviation is 11676.723675949936  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 6090  
Number of cycles run: 7788  
Number of cycles run: 9125  
Number of cycles run: 12750  
Number of cycles run: 6564  
Number of cycles run: 6419  
Number of cycles run: 7446  
Number of cycles run: 7465  
Number of cycles run: 33441  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12833  
Number of cycles run: 8128  
Number of cycles run: 10323  
Number of cycles run: 9337  
Number of cycles run: 7392  
Number of cycles run: 6066  
Number of cycles run: 8024  
Number of cycles run: 50000  
Number of cycles run: 7143  
Number of cycles run: 8741  
Number of cycles run: 48100  
Number of cycles run: 12424  
Number of cycles run: 8694  
Number of cycles run: 6752  
Number of cycles run: 23173  
Number of cycles run: 6280  
Number of cycles run: 6761  
Number of cycles run: 13263  
Number of cycles run: 7053  
Number of cycles run: 7376  
Number of cycles run: 8110  
Number of cycles run: 7581  
Number of cycles run: 8311  
Number of cycles run: 7320  
Number of cycles run: 5208  
Number of cycles run: 6946  
Number of cycles run: 7393  
Number of cycles run: 8383  
Number of cycles run: 5990  
Number of cycles run: 6358  
Number of cycles run: 7189  
Number of cycles run: 9924  
Number of cycles run: 9673  
Number of cycles run: 50000  
Number of cycles run: 7536  
Number of cycles run: 7056  
Number of cycles run: 6238  
Number of cycles run: 10405  
Number of cycles run: 10935  
Av cycles for selfish strength 1.5 is 13110  
standard diviation is 13094.778551259682  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 7360  
Number of cycles run: 8617  
Number of cycles run: 50000  
Number of cycles run: 8005  
Number of cycles run: 33833  
Number of cycles run: 7700  
Number of cycles run: 50000  
Number of cycles run: 45063  
Number of cycles run: 6589  
Number of cycles run: 6873  
Number of cycles run: 8288  
Number of cycles run: 7653  
Number of cycles run: 11785  
Number of cycles run: 6723  
Number of cycles run: 14363  
Number of cycles run: 6766  
Number of cycles run: 50000  
Number of cycles run: 7057  
Number of cycles run: 10071  
Number of cycles run: 6427  
Number of cycles run: 7672  
Number of cycles run: 8745  
Number of cycles run: 8328  
Number of cycles run: 50000  
Number of cycles run: 6804  
Number of cycles run: 6121  
Number of cycles run: 10789  
Number of cycles run: 7396  
Number of cycles run: 9040  
Number of cycles run: 11375  
Number of cycles run: 8757  
Number of cycles run: 8310  
Number of cycles run: 13136  
Number of cycles run: 10057  
Number of cycles run: 9238  
Number of cycles run: 7079  
Number of cycles run: 28762  
Number of cycles run: 7479  
Number of cycles run: 8875  
Number of cycles run: 7722  
Number of cycles run: 6584  
Number of cycles run: 6817  
Number of cycles run: 6631  
Number of cycles run: 50000  
Number of cycles run: 16001  
Number of cycles run: 8085  
Number of cycles run: 21951  
Number of cycles run: 7609  
Number of cycles run: 7798  
Number of cycles run: 7384  
Av cycles for selfish strength 1.5 is 14554  
standard diviation is 13953.040763992365  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 8011  
Number of cycles run: 8452  
Number of cycles run: 9268  
Number of cycles run: 7484  
Number of cycles run: 19976  
Number of cycles run: 7157  
Number of cycles run: 7176  
Number of cycles run: 9464  
Number of cycles run: 8802  
Number of cycles run: 11288  
Number of cycles run: 5863  
Number of cycles run: 6992  
Number of cycles run: 8962  
Number of cycles run: 7362  
Number of cycles run: 7067  
Number of cycles run: 26812  
Number of cycles run: 6966  
Number of cycles run: 50000  
Number of cycles run: 6825  
Number of cycles run: 19917  
Number of cycles run: 8708  
Number of cycles run: 7697  
Number of cycles run: 7987  
Number of cycles run: 7010  
Number of cycles run: 50000  
Number of cycles run: 11919  
Number of cycles run: 6292  
Number of cycles run: 10200  
Number of cycles run: 11707  
Number of cycles run: 6554  
Number of cycles run: 19679  
Number of cycles run: 5839  
Number of cycles run: 7983  
Number of cycles run: 45016  
Number of cycles run: 6200  
Number of cycles run: 6798  
Number of cycles run: 7438  
Number of cycles run: 6427  
Number of cycles run: 7466  
Number of cycles run: 8327  
Number of cycles run: 21150  
Number of cycles run: 7741  
Number of cycles run: 8989  
Number of cycles run: 8014  
Number of cycles run: 7332  
Number of cycles run: 6747  
Number of cycles run: 6313  
Number of cycles run: 28307  
Number of cycles run: 8947  
Number of cycles run: 23554  
Av cycles for selfish strength 1.5 is 12403  
standard diviation is 10708.259128412263  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 6963  
Number of cycles run: 50000  
Number of cycles run: 8847  
Number of cycles run: 6317  
Number of cycles run: 20109  
Number of cycles run: 7001  
Number of cycles run: 7287  
Number of cycles run: 10870  
Number of cycles run: 7994  
Number of cycles run: 29544  
Number of cycles run: 7283  
Number of cycles run: 9323  
Number of cycles run: 7027  
Number of cycles run: 12774  
Number of cycles run: 7296  
Number of cycles run: 7654  
Number of cycles run: 11501  
Number of cycles run: 50000  
Number of cycles run: 8463  
Number of cycles run: 5541  
Number of cycles run: 5864  
Number of cycles run: 7633  
Number of cycles run: 7502  
Number of cycles run: 24274  
Number of cycles run: 9664  
Number of cycles run: 7688  
Number of cycles run: 5696  
Number of cycles run: 7019  
Number of cycles run: 7607  
Number of cycles run: 9610  
Number of cycles run: 7149  
Number of cycles run: 8847  
Number of cycles run: 12994  
Number of cycles run: 50000  
Number of cycles run: 11267  
Number of cycles run: 10654  
Number of cycles run: 9554  
Number of cycles run: 7463  
Number of cycles run: 6118  
Number of cycles run: 6314  
Number of cycles run: 6446  
Number of cycles run: 14504  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9061  
Number of cycles run: 7739  
Number of cycles run: 5622  
Number of cycles run: 7763  
Number of cycles run: 7038  
Number of cycles run: 27446  
Av cycles for selfish strength 1.5 is 13806  
standard diviation is 13224.897894748778