Testing average cycles for selfish strength 3.5  
Number of cycles run: 8639  
Number of cycles run: 11267  
Number of cycles run: 8714  
Number of cycles run: 7239  
Number of cycles run: 5092  
Number of cycles run: 6382  
Number of cycles run: 50000  
Number of cycles run: 6058  
Number of cycles run: 6747  
Number of cycles run: 6852  
Number of cycles run: 7570  
Number of cycles run: 6692  
Number of cycles run: 8777  
Number of cycles run: 8936  
Number of cycles run: 8448  
Number of cycles run: 5489  
Number of cycles run: 7147  
Number of cycles run: 7982  
Number of cycles run: 5595  
Number of cycles run: 6524  
Number of cycles run: 6900  
Number of cycles run: 7109  
Number of cycles run: 7541  
Number of cycles run: 6689  
Number of cycles run: 6907  
Number of cycles run: 13730  
Number of cycles run: 10480  
Number of cycles run: 9854  
Number of cycles run: 10347  
Number of cycles run: 8898  
Number of cycles run: 6582  
Number of cycles run: 8414  
Number of cycles run: 35128  
Number of cycles run: 6880  
Number of cycles run: 7442  
Number of cycles run: 8267  
Number of cycles run: 5042  
Number of cycles run: 9665  
Number of cycles run: 7515  
Number of cycles run: 7572  
Number of cycles run: 7109  
Number of cycles run: 7917  
Number of cycles run: 16142  
Number of cycles run: 11604  
Number of cycles run: 50000  
Number of cycles run: 6451  
Number of cycles run: 6158  
Number of cycles run: 33531  
Number of cycles run: 8146  
Number of cycles run: 5593  
Av cycles for selfish strength 3.5 is 10675  
standard diviation is 9864.073850647124  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6750  
Number of cycles run: 7764  
Number of cycles run: 46777  
Number of cycles run: 10776  
Number of cycles run: 50000  
Number of cycles run: 7387  
Number of cycles run: 7510  
Number of cycles run: 7590  
Number of cycles run: 9278  
Number of cycles run: 7064  
Number of cycles run: 50000  
Number of cycles run: 8096  
Number of cycles run: 6766  
Number of cycles run: 6493  
Number of cycles run: 18567  
Number of cycles run: 7914  
Number of cycles run: 10911  
Number of cycles run: 7760  
Number of cycles run: 6502  
Number of cycles run: 13308  
Number of cycles run: 8693  
Number of cycles run: 8690  
Number of cycles run: 5760  
Number of cycles run: 9457  
Number of cycles run: 15424  
Number of cycles run: 6466  
Number of cycles run: 20070  
Number of cycles run: 7164  
Number of cycles run: 26727  
Number of cycles run: 7214  
Number of cycles run: 9122  
Number of cycles run: 6785  
Number of cycles run: 11481  
Number of cycles run: 6061  
Number of cycles run: 7041  
Number of cycles run: 18901  
Number of cycles run: 10942  
Number of cycles run: 7405  
Number of cycles run: 12317  
Number of cycles run: 6905  
Number of cycles run: 7434  
Number of cycles run: 8500  
Number of cycles run: 18591  
Number of cycles run: 8174  
Number of cycles run: 6097  
Number of cycles run: 7327  
Number of cycles run: 7074  
Number of cycles run: 29602  
Number of cycles run: 10777  
Number of cycles run: 10770  
Av cycles for selfish strength 3.5 is 12483  
standard diviation is 10617.40543931789  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 50000  
Number of cycles run: 6778  
Number of cycles run: 7765  
Number of cycles run: 6780  
Number of cycles run: 6879  
Number of cycles run: 9775  
Number of cycles run: 6675  
Number of cycles run: 4907  
Number of cycles run: 7870  
Number of cycles run: 6764  
Number of cycles run: 6338  
Number of cycles run: 9601  
Number of cycles run: 8751  
Number of cycles run: 8318  
Number of cycles run: 6247  
Number of cycles run: 11109  
Number of cycles run: 50000  
Number of cycles run: 6698  
Number of cycles run: 6371  
Number of cycles run: 11021  
Number of cycles run: 6068  
Number of cycles run: 6038  
Number of cycles run: 5162  
Number of cycles run: 9627  
Number of cycles run: 50000  
Number of cycles run: 7877  
Number of cycles run: 7794  
Number of cycles run: 6615  
Number of cycles run: 6833  
Number of cycles run: 7240  
Number of cycles run: 5789  
Number of cycles run: 10765  
Number of cycles run: 11615  
Number of cycles run: 10195  
Number of cycles run: 7022  
Number of cycles run: 12928  
Number of cycles run: 50000  
Number of cycles run: 5970  
Number of cycles run: 6118  
Number of cycles run: 7001  
Number of cycles run: 5962  
Number of cycles run: 9936  
Number of cycles run: 6384  
Number of cycles run: 9321  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9227  
Number of cycles run: 8618  
Number of cycles run: 6863  
Number of cycles run: 5954  
Av cycles for selfish strength 3.5 is 12831  
standard diviation is 13979.248278948688  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 9658  
Number of cycles run: 7370  
Number of cycles run: 13429  
Number of cycles run: 10053  
Number of cycles run: 50000  
Number of cycles run: 26547  
Number of cycles run: 6778  
Number of cycles run: 6285  
Number of cycles run: 17556  
Number of cycles run: 5842  
Number of cycles run: 6860  
Number of cycles run: 6474  
Number of cycles run: 7085  
Number of cycles run: 8853  
Number of cycles run: 8443  
Number of cycles run: 6041  
Number of cycles run: 31862  
Number of cycles run: 7859  
Number of cycles run: 9841  
Number of cycles run: 7131  
Number of cycles run: 40518  
Number of cycles run: 5862  
Number of cycles run: 7340  
Number of cycles run: 7188  
Number of cycles run: 19644  
Number of cycles run: 6255  
Number of cycles run: 7293  
Number of cycles run: 7439  
Number of cycles run: 5461  
Number of cycles run: 8233  
Number of cycles run: 7865  
Number of cycles run: 7196  
Number of cycles run: 7158  
Number of cycles run: 7575  
Number of cycles run: 7504  
Number of cycles run: 5459  
Number of cycles run: 7831  
Number of cycles run: 6571  
Number of cycles run: 12663  
Number of cycles run: 21614  
Number of cycles run: 10283  
Number of cycles run: 6624  
Number of cycles run: 5773  
Number of cycles run: 7903  
Number of cycles run: 12868  
Number of cycles run: 7286  
Number of cycles run: 9918  
Number of cycles run: 9671  
Number of cycles run: 6280  
Number of cycles run: 6447  
Av cycles for selfish strength 3.5 is 10873  
standard diviation is 8909.585194517607  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 5955  
Number of cycles run: 8233  
Number of cycles run: 7778  
Number of cycles run: 50000  
Number of cycles run: 7620  
Number of cycles run: 15741  
Number of cycles run: 6462  
Number of cycles run: 19418  
Number of cycles run: 6989  
Number of cycles run: 15591  
Number of cycles run: 8289  
Number of cycles run: 14226  
Number of cycles run: 5831  
Number of cycles run: 11197  
Number of cycles run: 6909  
Number of cycles run: 9287  
Number of cycles run: 24838  
Number of cycles run: 10620  
Number of cycles run: 5946  
Number of cycles run: 9627  
Number of cycles run: 11029  
Number of cycles run: 6566  
Number of cycles run: 6702  
Number of cycles run: 5829  
Number of cycles run: 5811  
Number of cycles run: 8217  
Number of cycles run: 6279  
Number of cycles run: 11355  
Number of cycles run: 6716  
Number of cycles run: 13404  
Number of cycles run: 8190  
Number of cycles run: 5832  
Number of cycles run: 9305  
Number of cycles run: 50000  
Number of cycles run: 12668  
Number of cycles run: 5400  
Number of cycles run: 5678  
Number of cycles run: 7268  
Number of cycles run: 6184  
Number of cycles run: 6273  
Number of cycles run: 12544  
Number of cycles run: 50000  
Number of cycles run: 6664  
Number of cycles run: 5277  
Number of cycles run: 8733  
Number of cycles run: 7849  
Number of cycles run: 7110  
Number of cycles run: 7517  
Number of cycles run: 7584  
Number of cycles run: 5445  
Av cycles for selfish strength 3.5 is 11359  
standard diviation is 10585.015793496552  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 7170  
Number of cycles run: 5439  
Number of cycles run: 16109  
Number of cycles run: 13970  
Number of cycles run: 10808  
Number of cycles run: 6520  
Number of cycles run: 50000  
Number of cycles run: 7517  
Number of cycles run: 8016  
Number of cycles run: 22948  
Number of cycles run: 7024  
Number of cycles run: 7896  
Number of cycles run: 9098  
Number of cycles run: 6415  
Number of cycles run: 6918  
Number of cycles run: 7508  
Number of cycles run: 7440  
Number of cycles run: 50000  
Number of cycles run: 5936  
Number of cycles run: 5982  
Number of cycles run: 50000  
Number of cycles run: 13639  
Number of cycles run: 50000

Number of cycles run: 6419  
Number of cycles run: 6684  
Number of cycles run: 6926  
Number of cycles run: 7878  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8224  
Number of cycles run: 38043  
Number of cycles run: 7426  
Number of cycles run: 7354  
Number of cycles run: 8812  
Number of cycles run: 19108  
Number of cycles run: 21964  
Number of cycles run: 50000  
Number of cycles run: 25584  
Number of cycles run: 8937  
Number of cycles run: 5634  
Number of cycles run: 7770  
Number of cycles run: 8554  
Number of cycles run: 6645  
Number of cycles run: 5935  
Number of cycles run: 7777  
Number of cycles run: 5956  
Number of cycles run: 8857  
Number of cycles run: 24016  
Number of cycles run: 18722  
Number of cycles run: 6281  
Av cycles for selfish strength 3.5 is 16117  
standard diviation is 15234.122726716269  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 7249  
Number of cycles run: 6671  
Number of cycles run: 6977  
Number of cycles run: 5519  
Number of cycles run: 50000  
Number of cycles run: 10728  
Number of cycles run: 8931  
Number of cycles run: 8018  
Number of cycles run: 8756  
Number of cycles run: 5973  
Number of cycles run: 5690  
Number of cycles run: 19152  
Number of cycles run: 6466  
Number of cycles run: 6582  
Number of cycles run: 25392  
Number of cycles run: 9400  
Number of cycles run: 6517  
Number of cycles run: 6041  
Number of cycles run: 9894  
Number of cycles run: 11411  
Number of cycles run: 50000  
Number of cycles run: 6209  
Number of cycles run: 50000  
Number of cycles run: 7927  
Number of cycles run: 18527  
Number of cycles run: 7309  
Number of cycles run: 5246  
Number of cycles run: 9168  
Number of cycles run: 5322  
Number of cycles run: 7074  
Number of cycles run: 6991  
Number of cycles run: 8800  
Number of cycles run: 8546  
Number of cycles run: 7634  
Number of cycles run: 6550  
Number of cycles run: 8332  
Number of cycles run: 11258  
Number of cycles run: 6161  
Number of cycles run: 10078  
Number of cycles run: 50000  
Number of cycles run: 4766  
Number of cycles run: 10107  
Number of cycles run: 7245  
Number of cycles run: 6139  
Number of cycles run: 9445  
Number of cycles run: 7636  
Number of cycles run: 19664  
Number of cycles run: 5940  
Number of cycles run: 8698  
Number of cycles run: 6499  
Av cycles for selfish strength 3.5 is 12052  
standard diviation is 11982.414409628871  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6631  
Number of cycles run: 6001  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6561  
Number of cycles run: 5724  
Number of cycles run: 7178  
Number of cycles run: 5895  
Number of cycles run: 33399  
Number of cycles run: 50000  
Number of cycles run: 22142  
Number of cycles run: 7671  
Number of cycles run: 5096  
Number of cycles run: 7795  
Number of cycles run: 7658  
Number of cycles run: 6746  
Number of cycles run: 6112  
Number of cycles run: 5688  
Number of cycles run: 20429  
Number of cycles run: 15744  
Number of cycles run: 8507  
Number of cycles run: 50000  
Number of cycles run: 6543  
Number of cycles run: 6747  
Number of cycles run: 7147  
Number of cycles run: 5893  
Number of cycles run: 13017  
Number of cycles run: 8595  
Number of cycles run: 50000  
Number of cycles run: 9250  
Number of cycles run: 5858  
Number of cycles run: 9065  
Number of cycles run: 8743  
Number of cycles run: 8079  
Number of cycles run: 7032  
Number of cycles run: 7470  
Number of cycles run: 7660  
Number of cycles run: 6730  
Number of cycles run: 6678  
Number of cycles run: 6852  
Number of cycles run: 6045  
Number of cycles run: 8987  
Number of cycles run: 7049  
Number of cycles run: 7544  
Number of cycles run: 5532  
Number of cycles run: 7026  
Number of cycles run: 14865  
Number of cycles run: 6272  
Number of cycles run: 7173  
Number of cycles run: 8579  
Av cycles for selfish strength 3.5 is 12908  
standard diviation is 13420.242029752771  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 19936  
Number of cycles run: 9924  
Number of cycles run: 5809  
Number of cycles run: 5567  
Number of cycles run: 6730  
Number of cycles run: 6548  
Number of cycles run: 15930  
Number of cycles run: 6380  
Number of cycles run: 12682  
Number of cycles run: 5581  
Number of cycles run: 8072  
Number of cycles run: 7768  
Number of cycles run: 5838  
Number of cycles run: 5827  
Number of cycles run: 17483  
Number of cycles run: 10176  
Number of cycles run: 17440  
Number of cycles run: 7327  
Number of cycles run: 50000  
Number of cycles run: 6721  
Number of cycles run: 7610  
Number of cycles run: 29068  
Number of cycles run: 7843  
Number of cycles run: 40664  
Number of cycles run: 6282  
Number of cycles run: 9371  
Number of cycles run: 13429  
Number of cycles run: 6729  
Number of cycles run: 6395  
Number of cycles run: 20899  
Number of cycles run: 7047  
Number of cycles run: 8692  
Number of cycles run: 6085  
Number of cycles run: 6324  
Number of cycles run: 6566  
Number of cycles run: 9353  
Number of cycles run: 5083  
Number of cycles run: 6679  
Number of cycles run: 11120  
Number of cycles run: 48655  
Number of cycles run: 6838  
Number of cycles run: 12511  
Number of cycles run: 5862  
Number of cycles run: 6708  
Number of cycles run: 6175  
Number of cycles run: 8264  
Number of cycles run: 19114  
Number of cycles run: 50000  
Number of cycles run: 7735  
Number of cycles run: 6247  
Av cycles for selfish strength 3.5 is 12501  
standard diviation is 11537.301222662472  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6199  
Number of cycles run: 6037  
Number of cycles run: 6492  
Number of cycles run: 36524  
Number of cycles run: 6184  
Number of cycles run: 7066  
Number of cycles run: 50000  
Number of cycles run: 32234  
Number of cycles run: 6106  
Number of cycles run: 20807  
Number of cycles run: 7440  
Number of cycles run: 8922  
Number of cycles run: 13669  
Number of cycles run: 6827  
Number of cycles run: 6762  
Number of cycles run: 7774  
Number of cycles run: 6505  
Number of cycles run: 8809  
Number of cycles run: 6935  
Number of cycles run: 6381  
Number of cycles run: 6095  
Number of cycles run: 8042  
Number of cycles run: 8119  
Number of cycles run: 50000  
Number of cycles run: 11926  
Number of cycles run: 6630  
Number of cycles run: 20580  
Number of cycles run: 18752  
Number of cycles run: 7603  
Number of cycles run: 9329  
Number of cycles run: 7134  
Number of cycles run: 6881  
Number of cycles run: 6832  
Number of cycles run: 30044  
Number of cycles run: 35983  
Number of cycles run: 12595  
Number of cycles run: 6674  
Number of cycles run: 7246  
Number of cycles run: 8110  
Number of cycles run: 7187  
Number of cycles run: 6927  
Number of cycles run: 6865  
Number of cycles run: 32992  
Number of cycles run: 28467  
Number of cycles run: 6727  
Number of cycles run: 8610  
Number of cycles run: 6845  
Number of cycles run: 11523  
Number of cycles run: 7130  
Number of cycles run: 8556  
Av cycles for selfish strength 3.5 is 13161  
standard diviation is 11496.950392826004