Testing average cycles for selfish strength 2.0  
Number of cycles run: 6777  
Number of cycles run: 9541  
Number of cycles run: 6918  
Number of cycles run: 7601  
Number of cycles run: 6525  
Number of cycles run: 9732  
Number of cycles run: 7583  
Number of cycles run: 7951  
Number of cycles run: 8125  
Number of cycles run: 10895  
Number of cycles run: 10400  
Number of cycles run: 7061  
Number of cycles run: 5629  
Number of cycles run: 7558  
Number of cycles run: 50000  
Number of cycles run: 8591  
Number of cycles run: 6816  
Number of cycles run: 9788  
Number of cycles run: 7257  
Number of cycles run: 50000  
Number of cycles run: 10355  
Number of cycles run: 13946  
Number of cycles run: 7012  
Number of cycles run: 8276  
Number of cycles run: 14078  
Number of cycles run: 15277  
Number of cycles run: 8115  
Number of cycles run: 4890  
Number of cycles run: 9034  
Number of cycles run: 8013  
Number of cycles run: 16189  
Number of cycles run: 6007  
Number of cycles run: 16281  
Number of cycles run: 10991  
Number of cycles run: 9739  
Number of cycles run: 8511  
Number of cycles run: 6005  
Number of cycles run: 7871  
Number of cycles run: 7344  
Number of cycles run: 8406  
Number of cycles run: 5837  
Number of cycles run: 6729  
Number of cycles run: 16822  
Number of cycles run: 6364  
Number of cycles run: 5499  
Number of cycles run: 12601  
Number of cycles run: 36939  
Number of cycles run: 10742  
Number of cycles run: 6659  
Number of cycles run: 5609  
Av cycles for selfish strength 2.0 is 11097  
standard diviation is 9422.99834055607  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 5512  
Number of cycles run: 11154  
Number of cycles run: 6210  
Number of cycles run: 7338  
Number of cycles run: 7650  
Number of cycles run: 31850  
Number of cycles run: 10035  
Number of cycles run: 12467  
Number of cycles run: 8155  
Number of cycles run: 6415  
Number of cycles run: 5300  
Number of cycles run: 36921  
Number of cycles run: 10493  
Number of cycles run: 13206  
Number of cycles run: 11690  
Number of cycles run: 8584  
Number of cycles run: 31689  
Number of cycles run: 6513  
Number of cycles run: 7181  
Number of cycles run: 41419  
Number of cycles run: 8044  
Number of cycles run: 10864  
Number of cycles run: 50000  
Number of cycles run: 6357  
Number of cycles run: 16224  
Number of cycles run: 8637  
Number of cycles run: 6879  
Number of cycles run: 50000  
Number of cycles run: 12803  
Number of cycles run: 8440  
Number of cycles run: 6443  
Number of cycles run: 10737  
Number of cycles run: 8805  
Number of cycles run: 8725  
Number of cycles run: 6280  
Number of cycles run: 12469  
Number of cycles run: 7780  
Number of cycles run: 10255  
Number of cycles run: 6075  
Number of cycles run: 5700  
Number of cycles run: 6267  
Number of cycles run: 7687  
Number of cycles run: 17701  
Number of cycles run: 7809  
Number of cycles run: 20031  
Number of cycles run: 16666  
Number of cycles run: 5672  
Number of cycles run: 23623  
Number of cycles run: 6569  
Number of cycles run: 10496  
Av cycles for selfish strength 2.0 is 13276  
standard diviation is 11111.388270874277  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 8676  
Number of cycles run: 6446  
Number of cycles run: 7860  
Number of cycles run: 6450  
Number of cycles run: 7321  
Number of cycles run: 6367  
Number of cycles run: 13575  
Number of cycles run: 9319  
Number of cycles run: 8399  
Number of cycles run: 6264  
Number of cycles run: 17605  
Number of cycles run: 9359  
Number of cycles run: 8242  
Number of cycles run: 50000  
Number of cycles run: 6161  
Number of cycles run: 7086  
Number of cycles run: 10231  
Number of cycles run: 11319  
Number of cycles run: 5957  
Number of cycles run: 9405  
Number of cycles run: 6151  
Number of cycles run: 12293  
Number of cycles run: 9898  
Number of cycles run: 27052  
Number of cycles run: 5770  
Number of cycles run: 11552  
Number of cycles run: 9686  
Number of cycles run: 9768  
Number of cycles run: 6796  
Number of cycles run: 10336  
Number of cycles run: 13049  
Number of cycles run: 6060  
Number of cycles run: 6900  
Number of cycles run: 9213  
Number of cycles run: 9800  
Number of cycles run: 9068  
Number of cycles run: 7061  
Number of cycles run: 8294  
Number of cycles run: 10495  
Number of cycles run: 21475  
Number of cycles run: 13042  
Number of cycles run: 10106  
Number of cycles run: 14033  
Number of cycles run: 6583  
Number of cycles run: 6122  
Number of cycles run: 14169  
Number of cycles run: 6447  
Number of cycles run: 50000  
Number of cycles run: 27278  
Number of cycles run: 9828  
Av cycles for selfish strength 2.0 is 11687  
standard diviation is 9196.641100700954  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 7407  
Number of cycles run: 7819  
Number of cycles run: 7917  
Number of cycles run: 8362  
Number of cycles run: 5561  
Number of cycles run: 9338  
Number of cycles run: 22406  
Number of cycles run: 8184  
Number of cycles run: 6866  
Number of cycles run: 5883  
Number of cycles run: 8111  
Number of cycles run: 8916  
Number of cycles run: 5968  
Number of cycles run: 30830  
Number of cycles run: 7145  
Number of cycles run: 8445  
Number of cycles run: 50000  
Number of cycles run: 6314  
Number of cycles run: 7659  
Number of cycles run: 10872  
Number of cycles run: 5914  
Number of cycles run: 5958  
Number of cycles run: 11657  
Number of cycles run: 6316  
Number of cycles run: 8505  
Number of cycles run: 8305  
Number of cycles run: 7919  
Number of cycles run: 7878  
Number of cycles run: 6072  
Number of cycles run: 14662  
Number of cycles run: 9499  
Number of cycles run: 7539  
Number of cycles run: 14104  
Number of cycles run: 6476  
Number of cycles run: 9930  
Number of cycles run: 20285  
Number of cycles run: 8856  
Number of cycles run: 13889  
Number of cycles run: 40310  
Number of cycles run: 50000  
Number of cycles run: 7755  
Number of cycles run: 43255  
Number of cycles run: 11718  
Number of cycles run: 7065  
Number of cycles run: 7291  
Number of cycles run: 18777  
Number of cycles run: 5456  
Number of cycles run: 16046  
Number of cycles run: 6523  
Number of cycles run: 7119  
Av cycles for selfish strength 2.0 is 12581  
standard diviation is 11098.880930461928  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 7050  
Number of cycles run: 8800  
Number of cycles run: 50000  
Number of cycles run: 5908  
Number of cycles run: 6486  
Number of cycles run: 7194  
Number of cycles run: 17377  
Number of cycles run: 6657  
Number of cycles run: 8066  
Number of cycles run: 50000  
Number of cycles run: 6145  
Number of cycles run: 10531  
Number of cycles run: 17691  
Number of cycles run: 10736  
Number of cycles run: 6296  
Number of cycles run: 8403  
Number of cycles run: 7776  
Number of cycles run: 7031  
Number of cycles run: 5796  
Number of cycles run: 50000  
Number of cycles run: 6751  
Number of cycles run: 6466  
Number of cycles run: 7926  
Number of cycles run: 32455  
Number of cycles run: 10185  
Number of cycles run: 6860  
Number of cycles run: 8676  
Number of cycles run: 5969  
Number of cycles run: 6850  
Number of cycles run: 13732  
Number of cycles run: 7783  
Number of cycles run: 7612  
Number of cycles run: 7183  
Number of cycles run: 7396  
Number of cycles run: 50000  
Number of cycles run: 8461  
Number of cycles run: 6486  
Number of cycles run: 14082  
Number of cycles run: 7575  
Number of cycles run: 6968  
Number of cycles run: 6517  
Number of cycles run: 9012  
Number of cycles run: 15123  
Number of cycles run: 6848  
Number of cycles run: 36625  
Number of cycles run: 10428  
Number of cycles run: 8398  
Number of cycles run: 7638  
Number of cycles run: 50000  
Number of cycles run: 26647  
Av cycles for selfish strength 2.0 is 14091  
standard diviation is 13628.107130830304  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 7201  
Number of cycles run: 7178  
Number of cycles run: 42401  
Number of cycles run: 6806  
Number of cycles run: 8243  
Number of cycles run: 6839  
Number of cycles run: 18859  
Number of cycles run: 20265  
Number of cycles run: 7922  
Number of cycles run: 5423  
Number of cycles run: 5481  
Number of cycles run: 7016  
Number of cycles run: 6646  
Number of cycles run: 9384  
Number of cycles run: 7027  
Number of cycles run: 6452  
Number of cycles run: 37289  
Number of cycles run: 30696  
Number of cycles run: 14151  
Number of cycles run: 50000  
Number of cycles run: 6706  
Number of cycles run: 5973  
Number of cycles run: 7346

Number of cycles run: 7628  
Number of cycles run: 6905  
Number of cycles run: 6700  
Number of cycles run: 14390  
Number of cycles run: 5590  
Number of cycles run: 7580  
Number of cycles run: 7498  
Number of cycles run: 6278  
Number of cycles run: 19939  
Number of cycles run: 7472  
Number of cycles run: 8205  
Number of cycles run: 6473  
Number of cycles run: 21069  
Number of cycles run: 6533  
Number of cycles run: 42238  
Number of cycles run: 6396  
Number of cycles run: 6888  
Number of cycles run: 10354  
Number of cycles run: 7525  
Number of cycles run: 5793  
Number of cycles run: 6908  
Number of cycles run: 6534  
Number of cycles run: 10987  
Number of cycles run: 50000  
Number of cycles run: 17894  
Number of cycles run: 7956  
Number of cycles run: 7088  
Av cycles for selfish strength 2.0 is 12882  
standard diviation is 11865.673561641099  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 8089  
Number of cycles run: 8647  
Number of cycles run: 7548  
Number of cycles run: 7938  
Number of cycles run: 9307  
Number of cycles run: 50000  
Number of cycles run: 5635  
Number of cycles run: 13140  
Number of cycles run: 8283  
Number of cycles run: 8489  
Number of cycles run: 8532  
Number of cycles run: 50000  
Number of cycles run: 16960  
Number of cycles run: 13401  
Number of cycles run: 5663  
Number of cycles run: 7369  
Number of cycles run: 10370  
Number of cycles run: 6344  
Number of cycles run: 7513  
Number of cycles run: 10213  
Number of cycles run: 9638  
Number of cycles run: 6838  
Number of cycles run: 6037  
Number of cycles run: 6554  
Number of cycles run: 5358  
Number of cycles run: 10308  
Number of cycles run: 7219  
Number of cycles run: 33441  
Number of cycles run: 50000  
Number of cycles run: 6917  
Number of cycles run: 8446  
Number of cycles run: 22868  
Number of cycles run: 34050  
Number of cycles run: 6348  
Number of cycles run: 7147  
Number of cycles run: 7805  
Number of cycles run: 50000  
Number of cycles run: 12187  
Number of cycles run: 9123  
Number of cycles run: 7538  
Number of cycles run: 8236  
Number of cycles run: 7908  
Number of cycles run: 7121  
Number of cycles run: 50000  
Number of cycles run: 8243  
Number of cycles run: 8971  
Number of cycles run: 7172  
Number of cycles run: 6227  
Number of cycles run: 5943  
Number of cycles run: 9892  
Av cycles for selfish strength 2.0 is 13819  
standard diviation is 13475.278202027623  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 12545  
Number of cycles run: 8119  
Number of cycles run: 7083  
Number of cycles run: 7951  
Number of cycles run: 8345  
Number of cycles run: 9063  
Number of cycles run: 6974  
Number of cycles run: 8127  
Number of cycles run: 5824  
Number of cycles run: 5820  
Number of cycles run: 6990  
Number of cycles run: 10036  
Number of cycles run: 50000  
Number of cycles run: 15383  
Number of cycles run: 8171  
Number of cycles run: 6994  
Number of cycles run: 50000  
Number of cycles run: 10348  
Number of cycles run: 11771  
Number of cycles run: 9068  
Number of cycles run: 10116  
Number of cycles run: 20515  
Number of cycles run: 11844  
Number of cycles run: 7048  
Number of cycles run: 9419  
Number of cycles run: 8461  
Number of cycles run: 23353  
Number of cycles run: 5565  
Number of cycles run: 9057  
Number of cycles run: 10144  
Number of cycles run: 48310  
Number of cycles run: 7306  
Number of cycles run: 8546  
Number of cycles run: 6949  
Number of cycles run: 19138  
Number of cycles run: 7455  
Number of cycles run: 6327  
Number of cycles run: 6405  
Number of cycles run: 6511  
Number of cycles run: 7754  
Number of cycles run: 16429  
Number of cycles run: 14045  
Number of cycles run: 15541  
Number of cycles run: 7326  
Number of cycles run: 6988  
Number of cycles run: 7380  
Number of cycles run: 6697  
Number of cycles run: 8729  
Number of cycles run: 6549  
Number of cycles run: 7128  
Av cycles for selfish strength 2.0 is 11912  
standard diviation is 10335.090954468802  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 6190  
Number of cycles run: 8418  
Number of cycles run: 6324  
Number of cycles run: 6355  
Number of cycles run: 7709  
Number of cycles run: 11846  
Number of cycles run: 7649  
Number of cycles run: 10433  
Number of cycles run: 9543  
Number of cycles run: 50000  
Number of cycles run: 10618  
Number of cycles run: 6072  
Number of cycles run: 18363  
Number of cycles run: 7105  
Number of cycles run: 7438  
Number of cycles run: 7332  
Number of cycles run: 11549  
Number of cycles run: 9675  
Number of cycles run: 6899  
Number of cycles run: 7982  
Number of cycles run: 11937  
Number of cycles run: 9237  
Number of cycles run: 5214  
Number of cycles run: 6276  
Number of cycles run: 12272  
Number of cycles run: 5666  
Number of cycles run: 7085  
Number of cycles run: 7730  
Number of cycles run: 5404  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6051  
Number of cycles run: 8411  
Number of cycles run: 40828  
Number of cycles run: 24762  
Number of cycles run: 5893  
Number of cycles run: 7267  
Number of cycles run: 11066  
Number of cycles run: 39426  
Number of cycles run: 7733  
Number of cycles run: 6249  
Number of cycles run: 8109  
Number of cycles run: 6142  
Number of cycles run: 5436  
Number of cycles run: 8809  
Number of cycles run: 9677  
Number of cycles run: 6195  
Number of cycles run: 8007  
Number of cycles run: 6489  
Number of cycles run: 6928  
Av cycles for selfish strength 2.0 is 12235  
standard diviation is 11961.036134372102  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 8160  
Number of cycles run: 6666  
Number of cycles run: 7753  
Number of cycles run: 7264  
Number of cycles run: 6457  
Number of cycles run: 8555  
Number of cycles run: 7190  
Number of cycles run: 8083  
Number of cycles run: 44941  
Number of cycles run: 8220  
Number of cycles run: 13266  
Number of cycles run: 50000  
Number of cycles run: 7217  
Number of cycles run: 16640  
Number of cycles run: 6456  
Number of cycles run: 7999  
Number of cycles run: 30742  
Number of cycles run: 8477  
Number of cycles run: 9458  
Number of cycles run: 6617  
Number of cycles run: 10963  
Number of cycles run: 5757  
Number of cycles run: 7327  
Number of cycles run: 18564  
Number of cycles run: 5859  
Number of cycles run: 50000  
Number of cycles run: 9134  
Number of cycles run: 41828  
Number of cycles run: 25970  
Number of cycles run: 9980  
Number of cycles run: 6352  
Number of cycles run: 7674  
Number of cycles run: 6864  
Number of cycles run: 18859  
Number of cycles run: 12625  
Number of cycles run: 11375  
Number of cycles run: 5623  
Number of cycles run: 50000  
Number of cycles run: 8085  
Number of cycles run: 7724  
Number of cycles run: 6867  
Number of cycles run: 6734  
Number of cycles run: 8476  
Number of cycles run: 10471  
Number of cycles run: 6133  
Number of cycles run: 16716  
Number of cycles run: 22031  
Number of cycles run: 9742  
Number of cycles run: 11808  
Number of cycles run: 8141  
Av cycles for selfish strength 2.0 is 13956  
standard diviation is 12438.934479287203