Testing average cycles for selfish strength 1.0  
Number of cycles run: 8185  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7124  
Number of cycles run: 7396  
Number of cycles run: 7514  
Number of cycles run: 14400  
Number of cycles run: 50000  
Number of cycles run: 8547  
Number of cycles run: 50000  
Number of cycles run: 8141  
Number of cycles run: 11410  
Number of cycles run: 5641  
Number of cycles run: 30190  
Number of cycles run: 6943  
Number of cycles run: 6961  
Number of cycles run: 13613  
Number of cycles run: 6943  
Number of cycles run: 6295  
Number of cycles run: 36460  
Number of cycles run: 6231  
Number of cycles run: 5972  
Number of cycles run: 7458  
Number of cycles run: 14381  
Number of cycles run: 30184  
Number of cycles run: 7822  
Number of cycles run: 7507  
Number of cycles run: 8867  
Number of cycles run: 7079  
Number of cycles run: 8184  
Number of cycles run: 8069  
Number of cycles run: 9424  
Number of cycles run: 6649  
Number of cycles run: 28742  
Number of cycles run: 24445  
Number of cycles run: 7671  
Number of cycles run: 50000  
Number of cycles run: 30586  
Number of cycles run: 6943  
Number of cycles run: 9455  
Number of cycles run: 7135  
Number of cycles run: 6828  
Number of cycles run: 6546  
Number of cycles run: 10626  
Number of cycles run: 7599  
Number of cycles run: 14121  
Number of cycles run: 8616  
Number of cycles run: 7463  
Number of cycles run: 9340  
Number of cycles run: 10438  
Av cycles for selfish strength 1.0 is 15202  
standard diviation is 13882.413906192869  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 7155  
Number of cycles run: 8287  
Number of cycles run: 8708  
Number of cycles run: 7766  
Number of cycles run: 50000  
Number of cycles run: 7856  
Number of cycles run: 8849  
Number of cycles run: 35477  
Number of cycles run: 50000  
Number of cycles run: 6052  
Number of cycles run: 6421  
Number of cycles run: 9501  
Number of cycles run: 8194  
Number of cycles run: 9842  
Number of cycles run: 8242  
Number of cycles run: 7292  
Number of cycles run: 6085  
Number of cycles run: 10062  
Number of cycles run: 6508  
Number of cycles run: 6369  
Number of cycles run: 5920  
Number of cycles run: 7666  
Number of cycles run: 8080  
Number of cycles run: 8356  
Number of cycles run: 7266  
Number of cycles run: 8050  
Number of cycles run: 6594  
Number of cycles run: 42329  
Number of cycles run: 50000  
Number of cycles run: 5547  
Number of cycles run: 42881  
Number of cycles run: 8682  
Number of cycles run: 6822  
Number of cycles run: 7139  
Number of cycles run: 7136  
Number of cycles run: 25538  
Number of cycles run: 18113  
Number of cycles run: 11718  
Number of cycles run: 7703  
Number of cycles run: 10237  
Number of cycles run: 29863  
Number of cycles run: 7379  
Number of cycles run: 7953  
Number of cycles run: 33207  
Number of cycles run: 6405  
Number of cycles run: 7060  
Number of cycles run: 7308  
Number of cycles run: 9088  
Number of cycles run: 15620  
Number of cycles run: 7323  
Av cycles for selfish strength 1.0 is 13912  
standard diviation is 13049.368965101225  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 5852  
Number of cycles run: 7782  
Number of cycles run: 8900  
Number of cycles run: 10619  
Number of cycles run: 30564  
Number of cycles run: 7745  
Number of cycles run: 5783  
Number of cycles run: 28955  
Number of cycles run: 26376  
Number of cycles run: 9077  
Number of cycles run: 50000  
Number of cycles run: 5961  
Number of cycles run: 7539  
Number of cycles run: 9550  
Number of cycles run: 7765  
Number of cycles run: 33733  
Number of cycles run: 16312  
Number of cycles run: 7791  
Number of cycles run: 8406  
Number of cycles run: 7165  
Number of cycles run: 8303  
Number of cycles run: 29179  
Number of cycles run: 8727  
Number of cycles run: 6552  
Number of cycles run: 6862  
Number of cycles run: 9989  
Number of cycles run: 12097  
Number of cycles run: 9983  
Number of cycles run: 11693  
Number of cycles run: 6871  
Number of cycles run: 20802  
Number of cycles run: 6067  
Number of cycles run: 6616  
Number of cycles run: 9307  
Number of cycles run: 8226  
Number of cycles run: 22476  
Number of cycles run: 7603  
Number of cycles run: 31788  
Number of cycles run: 6599  
Number of cycles run: 50000  
Number of cycles run: 6614  
Number of cycles run: 6439  
Number of cycles run: 7957  
Number of cycles run: 8060  
Number of cycles run: 7630  
Number of cycles run: 13806  
Number of cycles run: 6897  
Number of cycles run: 7088  
Number of cycles run: 6597  
Number of cycles run: 7061  
Av cycles for selfish strength 1.0 is 13075  
standard diviation is 10849.230521082674  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 8680  
Number of cycles run: 50000  
Number of cycles run: 11913  
Number of cycles run: 50000  
Number of cycles run: 6629  
Number of cycles run: 12982  
Number of cycles run: 6129  
Number of cycles run: 50000  
Number of cycles run: 8466  
Number of cycles run: 7548  
Number of cycles run: 7700  
Number of cycles run: 6957  
Number of cycles run: 50000  
Number of cycles run: 7034  
Number of cycles run: 15606  
Number of cycles run: 8194  
Number of cycles run: 6735  
Number of cycles run: 9256  
Number of cycles run: 7262  
Number of cycles run: 12331  
Number of cycles run: 7637  
Number of cycles run: 8836  
Number of cycles run: 50000  
Number of cycles run: 10043  
Number of cycles run: 11308  
Number of cycles run: 6698  
Number of cycles run: 6724  
Number of cycles run: 7031  
Number of cycles run: 13167  
Number of cycles run: 50000  
Number of cycles run: 6168  
Number of cycles run: 7582  
Number of cycles run: 9451  
Number of cycles run: 15457  
Number of cycles run: 31014  
Number of cycles run: 27502  
Number of cycles run: 12632  
Number of cycles run: 7211  
Number of cycles run: 16251  
Number of cycles run: 50000  
Number of cycles run: 7100  
Number of cycles run: 9813  
Number of cycles run: 7218  
Number of cycles run: 6403  
Number of cycles run: 10513  
Number of cycles run: 7624  
Number of cycles run: 6309  
Number of cycles run: 6739  
Number of cycles run: 8557  
Number of cycles run: 10138  
Av cycles for selfish strength 1.0 is 15570  
standard diviation is 14806.390240620804  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 10174  
Number of cycles run: 6598  
Number of cycles run: 17729  
Number of cycles run: 7261  
Number of cycles run: 5700  
Number of cycles run: 5156  
Number of cycles run: 12204  
Number of cycles run: 8993  
Number of cycles run: 6619  
Number of cycles run: 17755  
Number of cycles run: 8448  
Number of cycles run: 17118  
Number of cycles run: 13680  
Number of cycles run: 9674  
Number of cycles run: 7070  
Number of cycles run: 50000  
Number of cycles run: 7036  
Number of cycles run: 7056  
Number of cycles run: 8230  
Number of cycles run: 50000  
Number of cycles run: 7244  
Number of cycles run: 11535  
Number of cycles run: 10800  
Number of cycles run: 8334  
Number of cycles run: 24627  
Number of cycles run: 6605  
Number of cycles run: 16675  
Number of cycles run: 6160  
Number of cycles run: 50000  
Number of cycles run: 4841  
Number of cycles run: 40277  
Number of cycles run: 50000  
Number of cycles run: 7011  
Number of cycles run: 8572  
Number of cycles run: 7056  
Number of cycles run: 7852  
Number of cycles run: 8632  
Number of cycles run: 9640  
Number of cycles run: 7475  
Number of cycles run: 6634  
Number of cycles run: 8795  
Number of cycles run: 6628  
Number of cycles run: 5892  
Number of cycles run: 6233  
Number of cycles run: 10439  
Number of cycles run: 7326  
Number of cycles run: 50000  
Number of cycles run: 7754  
Number of cycles run: 9624  
Number of cycles run: 7267  
Av cycles for selfish strength 1.0 is 13928  
standard diviation is 13455.709902612543  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 7677  
Number of cycles run: 6223  
Number of cycles run: 50000  
Number of cycles run: 7228  
Number of cycles run: 6327  
Number of cycles run: 6660  
Number of cycles run: 6814  
Number of cycles run: 9477  
Number of cycles run: 8746  
Number of cycles run: 7216  
Number of cycles run: 50000  
Number of cycles run: 11168  
Number of cycles run: 21033  
Number of cycles run: 9781  
Number of cycles run: 9444  
Number of cycles run: 9810  
Number of cycles run: 6269  
Number of cycles run: 6245  
Number of cycles run: 7722  
Number of cycles run: 6566  
Number of cycles run: 6881  
Number of cycles run: 8782  
Number of cycles run: 50000

Number of cycles run: 6422  
Number of cycles run: 7873  
Number of cycles run: 8023  
Number of cycles run: 13277  
Number of cycles run: 8252  
Number of cycles run: 15622  
Number of cycles run: 11781  
Number of cycles run: 50000  
Number of cycles run: 9727  
Number of cycles run: 6698  
Number of cycles run: 50000  
Number of cycles run: 8304  
Number of cycles run: 19400  
Number of cycles run: 12939  
Number of cycles run: 6377  
Number of cycles run: 7195  
Number of cycles run: 8799  
Number of cycles run: 8648  
Number of cycles run: 50000  
Number of cycles run: 6156  
Number of cycles run: 7519  
Number of cycles run: 8345  
Number of cycles run: 50000  
Number of cycles run: 10203  
Number of cycles run: 8049  
Number of cycles run: 9063  
Number of cycles run: 12469  
Av cycles for selfish strength 1.0 is 14824  
standard diviation is 14657.455592597906  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 7630  
Number of cycles run: 7621  
Number of cycles run: 7047  
Number of cycles run: 8585  
Number of cycles run: 6439  
Number of cycles run: 6016  
Number of cycles run: 8981  
Number of cycles run: 11208  
Number of cycles run: 8516  
Number of cycles run: 8089  
Number of cycles run: 7324  
Number of cycles run: 7202  
Number of cycles run: 6719  
Number of cycles run: 50000  
Number of cycles run: 6608  
Number of cycles run: 8827  
Number of cycles run: 18465  
Number of cycles run: 10011  
Number of cycles run: 6913  
Number of cycles run: 15290  
Number of cycles run: 10669  
Number of cycles run: 14292  
Number of cycles run: 12247  
Number of cycles run: 50000  
Number of cycles run: 6723  
Number of cycles run: 8187  
Number of cycles run: 7613  
Number of cycles run: 6279  
Number of cycles run: 6339  
Number of cycles run: 50000  
Number of cycles run: 10871  
Number of cycles run: 50000  
Number of cycles run: 7353  
Number of cycles run: 6141  
Number of cycles run: 6939  
Number of cycles run: 6575  
Number of cycles run: 9166  
Number of cycles run: 25056  
Number of cycles run: 10430  
Number of cycles run: 7223  
Number of cycles run: 26799  
Number of cycles run: 50000  
Number of cycles run: 8651  
Number of cycles run: 7635  
Number of cycles run: 10833  
Number of cycles run: 8734  
Number of cycles run: 6435  
Number of cycles run: 8103  
Number of cycles run: 6252  
Number of cycles run: 6683  
Av cycles for selfish strength 1.0 is 13394  
standard diviation is 13025.732839096241  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 35557  
Number of cycles run: 7747  
Number of cycles run: 7100  
Number of cycles run: 6938  
Number of cycles run: 8938  
Number of cycles run: 6738  
Number of cycles run: 9165  
Number of cycles run: 6704  
Number of cycles run: 50000  
Number of cycles run: 7671  
Number of cycles run: 7373  
Number of cycles run: 7762  
Number of cycles run: 11399  
Number of cycles run: 6489  
Number of cycles run: 7771  
Number of cycles run: 12414  
Number of cycles run: 9465  
Number of cycles run: 14019  
Number of cycles run: 9778  
Number of cycles run: 23016  
Number of cycles run: 9585  
Number of cycles run: 5612  
Number of cycles run: 6354  
Number of cycles run: 11276  
Number of cycles run: 6835  
Number of cycles run: 6884  
Number of cycles run: 6816  
Number of cycles run: 6565  
Number of cycles run: 6804  
Number of cycles run: 9496  
Number of cycles run: 7911  
Number of cycles run: 8038  
Number of cycles run: 6090  
Number of cycles run: 7281  
Number of cycles run: 7988  
Number of cycles run: 10388  
Number of cycles run: 9679  
Number of cycles run: 6706  
Number of cycles run: 7228  
Number of cycles run: 8765  
Number of cycles run: 13640  
Number of cycles run: 6909  
Number of cycles run: 50000  
Number of cycles run: 4877  
Number of cycles run: 24563  
Number of cycles run: 8951  
Number of cycles run: 6490  
Number of cycles run: 6830  
Number of cycles run: 7084  
Number of cycles run: 17081  
Av cycles for selfish strength 1.0 is 11175  
standard diviation is 9629.430572098077  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 9881  
Number of cycles run: 8621  
Number of cycles run: 10650  
Number of cycles run: 6892  
Number of cycles run: 5732  
Number of cycles run: 7379  
Number of cycles run: 5705  
Number of cycles run: 7096  
Number of cycles run: 10698  
Number of cycles run: 7141  
Number of cycles run: 6171  
Number of cycles run: 7402  
Number of cycles run: 30986  
Number of cycles run: 9071  
Number of cycles run: 5763  
Number of cycles run: 50000  
Number of cycles run: 10816  
Number of cycles run: 8064  
Number of cycles run: 5910  
Number of cycles run: 8290  
Number of cycles run: 6497  
Number of cycles run: 6760  
Number of cycles run: 7987  
Number of cycles run: 32527  
Number of cycles run: 7256  
Number of cycles run: 7742  
Number of cycles run: 50000  
Number of cycles run: 6391  
Number of cycles run: 9021  
Number of cycles run: 9648  
Number of cycles run: 9039  
Number of cycles run: 6346  
Number of cycles run: 6715  
Number of cycles run: 6734  
Number of cycles run: 7761  
Number of cycles run: 15210  
Number of cycles run: 7269  
Number of cycles run: 8102  
Number of cycles run: 7094  
Number of cycles run: 12579  
Number of cycles run: 8236  
Number of cycles run: 6592  
Number of cycles run: 8083  
Number of cycles run: 6972  
Number of cycles run: 7550  
Number of cycles run: 7271  
Number of cycles run: 5921  
Number of cycles run: 6582  
Number of cycles run: 9866  
Number of cycles run: 50000  
Av cycles for selfish strength 1.0 is 11400  
standard diviation is 11069.081559322742  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 9657  
Number of cycles run: 27573  
Number of cycles run: 6533  
Number of cycles run: 6011  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9525  
Number of cycles run: 7579  
Number of cycles run: 6171  
Number of cycles run: 8615  
Number of cycles run: 7817  
Number of cycles run: 8247  
Number of cycles run: 7031  
Number of cycles run: 7656  
Number of cycles run: 7518  
Number of cycles run: 50000  
Number of cycles run: 6381  
Number of cycles run: 6625  
Number of cycles run: 8244  
Number of cycles run: 13453  
Number of cycles run: 11853  
Number of cycles run: 7659  
Number of cycles run: 9283  
Number of cycles run: 7433  
Number of cycles run: 5947  
Number of cycles run: 22070  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 32772  
Number of cycles run: 40105  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6092  
Number of cycles run: 6987  
Number of cycles run: 7090  
Number of cycles run: 27648  
Number of cycles run: 6973  
Number of cycles run: 10601  
Number of cycles run: 6446  
Number of cycles run: 50000  
Number of cycles run: 5807  
Number of cycles run: 10974  
Number of cycles run: 6102  
Number of cycles run: 20488  
Number of cycles run: 11407  
Number of cycles run: 8443  
Number of cycles run: 50000  
Number of cycles run: 16162  
Number of cycles run: 7493  
Number of cycles run: 7529  
Av cycles for selfish strength 1.0 is 18160  
standard diviation is 16700.217732907873