Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 7179  
Number of cycles run: 50000  
Number of cycles run: 821  
Number of cycles run: 6466  
Number of cycles run: 11210  
Number of cycles run: 8155  
Number of cycles run: 50000  
Number of cycles run: 6759  
Number of cycles run: 12642  
Number of cycles run: 8123  
Number of cycles run: 11943  
Number of cycles run: 843  
Number of cycles run: 16405  
Number of cycles run: 50000  
Number of cycles run: 13359  
Number of cycles run: 50000  
Number of cycles run: 9737  
Number of cycles run: 1529  
Number of cycles run: 591  
Number of cycles run: 1780  
Number of cycles run: 541  
Number of cycles run: 6519  
Number of cycles run: 50000  
Number of cycles run: 5100  
Number of cycles run: 6714  
Number of cycles run: 2610  
Number of cycles run: 8718  
Number of cycles run: 17282  
Number of cycles run: 6135  
Number of cycles run: 707  
Number of cycles run: 26865  
Number of cycles run: 1545  
Number of cycles run: 13963  
Number of cycles run: 50000  
Number of cycles run: 8517  
Number of cycles run: 25428  
Number of cycles run: 50000  
Number of cycles run: 7398  
Number of cycles run: 7398  
Number of cycles run: 9708  
Number of cycles run: 43105  
Number of cycles run: 48142  
Number of cycles run: 50000  
Number of cycles run: 6797  
Number of cycles run: 29505  
Number of cycles run: 9856  
Number of cycles run: 7643  
Number of cycles run: 510  
Number of cycles run: 4588  
Av cycles for selfish strength 2.0 is 17456  
standard diviation is 18158.672662360965  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 6813  
Number of cycles run: 19983  
Number of cycles run: 11232  
Number of cycles run: 11453  
Number of cycles run: 3152  
Number of cycles run: 8510  
Number of cycles run: 1941  
Number of cycles run: 9666  
Number of cycles run: 36465  
Number of cycles run: 5645  
Number of cycles run: 7611  
Number of cycles run: 8564  
Number of cycles run: 20828  
Number of cycles run: 32171  
Number of cycles run: 32826  
Number of cycles run: 6582  
Number of cycles run: 30103  
Number of cycles run: 8260  
Number of cycles run: 21768  
Number of cycles run: 1670  
Number of cycles run: 31466  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 612  
Number of cycles run: 1387  
Number of cycles run: 15942  
Number of cycles run: 8032  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12599  
Number of cycles run: 21921  
Number of cycles run: 50000  
Number of cycles run: 5529  
Number of cycles run: 13640  
Number of cycles run: 6051  
Number of cycles run: 10488  
Number of cycles run: 24372  
Number of cycles run: 10024  
Number of cycles run: 24344  
Number of cycles run: 7153  
Number of cycles run: 2007  
Number of cycles run: 8495  
Number of cycles run: 7284  
Number of cycles run: 4465  
Number of cycles run: 5750  
Number of cycles run: 30942  
Number of cycles run: 7283  
Number of cycles run: 8246  
Number of cycles run: 14492  
Number of cycles run: 11672  
Av cycles for selfish strength 2.0 is 16588  
standard diviation is 14579.518569765  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 20039  
Number of cycles run: 13385  
Number of cycles run: 8756  
Number of cycles run: 666  
Number of cycles run: 4530  
Number of cycles run: 6585  
Number of cycles run: 21260  
Number of cycles run: 9803  
Number of cycles run: 12377  
Number of cycles run: 6243  
Number of cycles run: 12540  
Number of cycles run: 2988  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5969  
Number of cycles run: 10937  
Number of cycles run: 5604  
Number of cycles run: 2892  
Number of cycles run: 50000  
Number of cycles run: 469  
Number of cycles run: 3597  
Number of cycles run: 13592  
Number of cycles run: 9725  
Number of cycles run: 469  
Number of cycles run: 10017  
Number of cycles run: 50000  
Number of cycles run: 6704  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 18351  
Number of cycles run: 4130  
Number of cycles run: 9267  
Number of cycles run: 6117  
Number of cycles run: 12235  
Number of cycles run: 12480  
Number of cycles run: 10047  
Number of cycles run: 523  
Number of cycles run: 15767  
Number of cycles run: 13321  
Number of cycles run: 11280  
Number of cycles run: 3070  
Number of cycles run: 6252  
Number of cycles run: 5348  
Number of cycles run: 6619  
Number of cycles run: 4956  
Number of cycles run: 7179  
Number of cycles run: 7404  
Number of cycles run: 50000  
Number of cycles run: 7153  
Number of cycles run: 50000  
Av cycles for selfish strength 2.0 is 15012  
standard diviation is 16119.338193281628  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 18413  
Number of cycles run: 16793  
Number of cycles run: 4727  
Number of cycles run: 6574  
Number of cycles run: 12042  
Number of cycles run: 14321  
Number of cycles run: 10409  
Number of cycles run: 7466  
Number of cycles run: 14996  
Number of cycles run: 14919  
Number of cycles run: 9243  
Number of cycles run: 50000  
Number of cycles run: 18529  
Number of cycles run: 50000  
Number of cycles run: 6151  
Number of cycles run: 9081  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 34041  
Number of cycles run: 9152  
Number of cycles run: 5124  
Number of cycles run: 2069  
Number of cycles run: 10594  
Number of cycles run: 50000  
Number of cycles run: 9234  
Number of cycles run: 50000  
Number of cycles run: 6851  
Number of cycles run: 13633  
Number of cycles run: 4941  
Number of cycles run: 10164  
Number of cycles run: 12284  
Number of cycles run: 9857  
Number of cycles run: 5947  
Number of cycles run: 10231  
Number of cycles run: 6463  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 18057  
Number of cycles run: 8228  
Number of cycles run: 8946  
Number of cycles run: 50000  
Number of cycles run: 9821  
Number of cycles run: 7525  
Number of cycles run: 8454  
Number of cycles run: 10060  
Number of cycles run: 50000  
Number of cycles run: 7912  
Number of cycles run: 10026  
Av cycles for selfish strength 2.0 is 20065  
standard diviation is 17664.444840320757  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 7914  
Number of cycles run: 50000  
Number of cycles run: 11497  
Number of cycles run: 6214  
Number of cycles run: 7381  
Number of cycles run: 50000  
Number of cycles run: 5630  
Number of cycles run: 7192  
Number of cycles run: 3579  
Number of cycles run: 50000  
Number of cycles run: 8096  
Number of cycles run: 774  
Number of cycles run: 8454  
Number of cycles run: 23271  
Number of cycles run: 2374  
Number of cycles run: 7463  
Number of cycles run: 9662  
Number of cycles run: 13237  
Number of cycles run: 4746  
Number of cycles run: 5041  
Number of cycles run: 50000  
Number of cycles run: 11942  
Number of cycles run: 3648  
Number of cycles run: 517  
Number of cycles run: 14602  
Number of cycles run: 5095  
Number of cycles run: 6936  
Number of cycles run: 19130  
Number of cycles run: 50000  
Number of cycles run: 3427  
Number of cycles run: 1783  
Number of cycles run: 10625  
Number of cycles run: 8816  
Number of cycles run: 5038  
Number of cycles run: 50000  
Number of cycles run: 11559  
Number of cycles run: 17913  
Number of cycles run: 11865  
Number of cycles run: 50000  
Number of cycles run: 831  
Number of cycles run: 19860  
Number of cycles run: 4127  
Number of cycles run: 8700  
Number of cycles run: 9773  
Number of cycles run: 50000  
Number of cycles run: 6286  
Number of cycles run: 15155  
Number of cycles run: 29479  
Number of cycles run: 50000  
Av cycles for selfish strength 2.0 is 17192  
standard diviation is 17507.398578023975  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 9494  
Number of cycles run: 7048  
Number of cycles run: 9997  
Number of cycles run: 5793  
Number of cycles run: 2303  
Number of cycles run: 9756  
Number of cycles run: 17576  
Number of cycles run: 9778  
Number of cycles run: 2641  
Number of cycles run: 8757  
Number of cycles run: 14861  
Number of cycles run: 472  
Number of cycles run: 6316  
Number of cycles run: 12855  
Number of cycles run: 10510  
Number of cycles run: 5792  
Number of cycles run: 17911  
Number of cycles run: 13363  
Number of cycles run: 11529  
Number of cycles run: 24106  
Number of cycles run: 15017  
Number of cycles run: 14961

Number of cycles run: 50000  
Number of cycles run: 1347  
Number of cycles run: 1462  
Number of cycles run: 18455  
Number of cycles run: 25452  
Number of cycles run: 4209  
Number of cycles run: 4899  
Number of cycles run: 25077  
Number of cycles run: 2141  
Number of cycles run: 50000  
Number of cycles run: 1856  
Number of cycles run: 50000  
Number of cycles run: 10658  
Number of cycles run: 786  
Number of cycles run: 13646  
Number of cycles run: 25245  
Number of cycles run: 558  
Number of cycles run: 1161  
Number of cycles run: 50000  
Number of cycles run: 520  
Number of cycles run: 5958  
Number of cycles run: 10479  
Number of cycles run: 9344  
Number of cycles run: 9767  
Number of cycles run: 15463  
Number of cycles run: 10592  
Number of cycles run: 4388  
Number of cycles run: 9785  
Av cycles for selfish strength 2.0 is 12881  
standard diviation is 12938.60171835127  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 9591  
Number of cycles run: 10013  
Number of cycles run: 7456  
Number of cycles run: 50000  
Number of cycles run: 9142  
Number of cycles run: 20592  
Number of cycles run: 10221  
Number of cycles run: 4786  
Number of cycles run: 50000  
Number of cycles run: 5887  
Number of cycles run: 976  
Number of cycles run: 50000  
Number of cycles run: 5566  
Number of cycles run: 11794  
Number of cycles run: 12403  
Number of cycles run: 50000  
Number of cycles run: 553  
Number of cycles run: 11532  
Number of cycles run: 8565  
Number of cycles run: 11632  
Number of cycles run: 793  
Number of cycles run: 11809  
Number of cycles run: 50000  
Number of cycles run: 6833  
Number of cycles run: 19205  
Number of cycles run: 5802  
Number of cycles run: 12700  
Number of cycles run: 458  
Number of cycles run: 20324  
Number of cycles run: 587  
Number of cycles run: 12485  
Number of cycles run: 37595  
Number of cycles run: 3881  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 13120  
Number of cycles run: 6520  
Number of cycles run: 2040  
Number of cycles run: 8037  
Number of cycles run: 12732  
Number of cycles run: 46819  
Number of cycles run: 50000  
Number of cycles run: 40055  
Number of cycles run: 6989  
Number of cycles run: 4135  
Number of cycles run: 50000  
Number of cycles run: 9157  
Number of cycles run: 602  
Number of cycles run: 28810  
Number of cycles run: 12999  
Av cycles for selfish strength 2.0 is 18303  
standard diviation is 17769.610815211505  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 8649  
Number of cycles run: 50000  
Number of cycles run: 12019  
Number of cycles run: 18617  
Number of cycles run: 49924  
Number of cycles run: 3920  
Number of cycles run: 50000  
Number of cycles run: 7464  
Number of cycles run: 16108  
Number of cycles run: 8430  
Number of cycles run: 587  
Number of cycles run: 50000  
Number of cycles run: 7138  
Number of cycles run: 11477  
Number of cycles run: 16377  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 551  
Number of cycles run: 50000  
Number of cycles run: 8175  
Number of cycles run: 7529  
Number of cycles run: 9834  
Number of cycles run: 15070  
Number of cycles run: 5661  
Number of cycles run: 50000  
Number of cycles run: 14119  
Number of cycles run: 11739  
Number of cycles run: 11155  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 1103  
Number of cycles run: 9950  
Number of cycles run: 12034  
Number of cycles run: 12384  
Number of cycles run: 47807  
Number of cycles run: 13143  
Number of cycles run: 705  
Number of cycles run: 3102  
Number of cycles run: 14186  
Number of cycles run: 50000  
Number of cycles run: 3262  
Number of cycles run: 778  
Number of cycles run: 21711  
Number of cycles run: 13551  
Number of cycles run: 839  
Number of cycles run: 1123  
Number of cycles run: 8902  
Number of cycles run: 9400  
Number of cycles run: 8255  
Av cycles for selfish strength 2.0 is 19535  
standard diviation is 18758.628086296718