Testing average cycles for selfish strength 1.0 13798.9  
Number of cycles run: 50000  
Number of cycles run: 7236  
Number of cycles run: 5786  
Number of cycles run: 50000  
Number of cycles run: 7646  
Number of cycles run: 6174  
Number of cycles run: 6208  
Number of cycles run: 22561  
Number of cycles run: 5733  
Number of cycles run: 6597  
Number of cycles run: 7930  
Number of cycles run: 12939  
Number of cycles run: 9607  
Number of cycles run: 5974  
Number of cycles run: 6457  
Number of cycles run: 50000  
Number of cycles run: 9923  
Number of cycles run: 50000  
Number of cycles run: 6576  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6038  
Number of cycles run: 7557  
Number of cycles run: 10019  
Number of cycles run: 7552  
Number of cycles run: 6511  
Number of cycles run: 6358  
Number of cycles run: 28323  
Number of cycles run: 6175  
Number of cycles run: 11032  
Number of cycles run: 7274  
Number of cycles run: 8228  
Number of cycles run: 7995  
Number of cycles run: 7936  
Number of cycles run: 26934  
Number of cycles run: 6401  
Number of cycles run: 6270  
Number of cycles run: 5729  
Number of cycles run: 50000  
Number of cycles run: 6692  
Number of cycles run: 7328  
Number of cycles run: 8320  
Number of cycles run: 50000  
Number of cycles run: 7206  
Number of cycles run: 10654  
Number of cycles run: 50000  
Number of cycles run: 7243  
Number of cycles run: 9674  
Number of cycles run: 34673  
Number of cycles run: 6344  
Av cycles for selfish strength 1.0 is 16836  
standard diviation is 16768.885678249586  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 6973  
Number of cycles run: 22858  
Number of cycles run: 6383  
Number of cycles run: 8430  
Number of cycles run: 5957  
Number of cycles run: 11301  
Number of cycles run: 7768  
Number of cycles run: 7384  
Number of cycles run: 6947  
Number of cycles run: 6383  
Number of cycles run: 8480  
Number of cycles run: 13868  
Number of cycles run: 26404  
Number of cycles run: 7523  
Number of cycles run: 7847  
Number of cycles run: 7122  
Number of cycles run: 6776  
Number of cycles run: 5928  
Number of cycles run: 9245  
Number of cycles run: 50000  
Number of cycles run: 6832  
Number of cycles run: 6901  
Number of cycles run: 34067  
Number of cycles run: 7310  
Number of cycles run: 12398  
Number of cycles run: 8771  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5772  
Number of cycles run: 21038  
Number of cycles run: 7262  
Number of cycles run: 7139  
Number of cycles run: 8297  
Number of cycles run: 7574  
Number of cycles run: 6649  
Number of cycles run: 6803  
Number of cycles run: 6371  
Number of cycles run: 6990  
Number of cycles run: 8110  
Number of cycles run: 14056  
Number of cycles run: 6506  
Number of cycles run: 8792  
Number of cycles run: 8048  
Number of cycles run: 16579  
Number of cycles run: 6022  
Number of cycles run: 6041  
Number of cycles run: 8721  
Number of cycles run: 10684  
Number of cycles run: 6958  
Number of cycles run: 6192  
Av cycles for selfish strength 1.0 is 12009  
standard diviation is 11187.44064765923  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 13281  
Number of cycles run: 11627  
Number of cycles run: 5502  
Number of cycles run: 6693  
Number of cycles run: 11947  
Number of cycles run: 9901  
Number of cycles run: 50000  
Number of cycles run: 7029  
Number of cycles run: 10375  
Number of cycles run: 7957  
Number of cycles run: 50000  
Number of cycles run: 18739  
Number of cycles run: 8314  
Number of cycles run: 6301  
Number of cycles run: 12348  
Number of cycles run: 9448  
Number of cycles run: 9462  
Number of cycles run: 7662  
Number of cycles run: 7812  
Number of cycles run: 6838  
Number of cycles run: 8258  
Number of cycles run: 7799  
Number of cycles run: 6102  
Number of cycles run: 7194  
Number of cycles run: 5352  
Number of cycles run: 6219  
Number of cycles run: 6135  
Number of cycles run: 8799  
Number of cycles run: 14021  
Number of cycles run: 13524  
Number of cycles run: 8597  
Number of cycles run: 50000  
Number of cycles run: 8069  
Number of cycles run: 7761  
Number of cycles run: 7479  
Number of cycles run: 8754  
Number of cycles run: 7318  
Number of cycles run: 7791  
Number of cycles run: 5926  
Number of cycles run: 5842  
Number of cycles run: 9551  
Number of cycles run: 7240  
Number of cycles run: 8591  
Number of cycles run: 31580  
Number of cycles run: 6440  
Number of cycles run: 13446  
Number of cycles run: 50000  
Number of cycles run: 9422  
Number of cycles run: 6340  
Number of cycles run: 8551  
Av cycles for selfish strength 1.0 is 12466  
standard diviation is 11925.625853272646  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 8842  
Number of cycles run: 50000  
Number of cycles run: 6343  
Number of cycles run: 6722  
Number of cycles run: 15438  
Number of cycles run: 7701  
Number of cycles run: 12979  
Number of cycles run: 50000  
Number of cycles run: 17665  
Number of cycles run: 6516  
Number of cycles run: 6106  
Number of cycles run: 6212  
Number of cycles run: 11480  
Number of cycles run: 10355  
Number of cycles run: 8131  
Number of cycles run: 37314  
Number of cycles run: 16833  
Number of cycles run: 6150  
Number of cycles run: 10750  
Number of cycles run: 9243  
Number of cycles run: 15412  
Number of cycles run: 6692  
Number of cycles run: 9016  
Number of cycles run: 6308  
Number of cycles run: 38516  
Number of cycles run: 9871  
Number of cycles run: 40847  
Number of cycles run: 6962  
Number of cycles run: 7766  
Number of cycles run: 50000  
Number of cycles run: 7444  
Number of cycles run: 7020  
Number of cycles run: 10323  
Number of cycles run: 8526  
Number of cycles run: 9454  
Number of cycles run: 6851  
Number of cycles run: 50000  
Number of cycles run: 21732  
Number of cycles run: 7358  
Number of cycles run: 10130  
Number of cycles run: 50000  
Number of cycles run: 9262  
Number of cycles run: 6806  
Number of cycles run: 50000  
Number of cycles run: 8348  
Number of cycles run: 13978  
Number of cycles run: 10607  
Number of cycles run: 8253  
Number of cycles run: 7973  
Number of cycles run: 6935  
Av cycles for selfish strength 1.0 is 16143  
standard diviation is 14811.448582162408  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 8258  
Number of cycles run: 50000  
Number of cycles run: 14681  
Number of cycles run: 7615  
Number of cycles run: 7915  
Number of cycles run: 9450  
Number of cycles run: 8358  
Number of cycles run: 6050  
Number of cycles run: 6534  
Number of cycles run: 5767  
Number of cycles run: 13014  
Number of cycles run: 50000  
Number of cycles run: 6136  
Number of cycles run: 50000  
Number of cycles run: 7520  
Number of cycles run: 7610  
Number of cycles run: 6558  
Number of cycles run: 50000  
Number of cycles run: 7670  
Number of cycles run: 31326  
Number of cycles run: 17693  
Number of cycles run: 16624  
Number of cycles run: 11517  
Number of cycles run: 8174  
Number of cycles run: 50000  
Number of cycles run: 6865  
Number of cycles run: 5984  
Number of cycles run: 6705  
Number of cycles run: 11859  
Number of cycles run: 6277  
Number of cycles run: 13554  
Number of cycles run: 6980  
Number of cycles run: 6520  
Number of cycles run: 5230  
Number of cycles run: 12609  
Number of cycles run: 7290  
Number of cycles run: 6569  
Number of cycles run: 11956  
Number of cycles run: 11215  
Number of cycles run: 24300  
Number of cycles run: 9639  
Number of cycles run: 7665  
Number of cycles run: 21356  
Number of cycles run: 7467  
Number of cycles run: 7324  
Number of cycles run: 11711  
Number of cycles run: 50000  
Number of cycles run: 8011  
Number of cycles run: 44598  
Number of cycles run: 6690  
Av cycles for selfish strength 1.0 is 15536  
standard diviation is 14622.284242726992  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 21088  
Number of cycles run: 11196  
Number of cycles run: 6565  
Number of cycles run: 7249  
Number of cycles run: 9746  
Number of cycles run: 6199  
Number of cycles run: 6127  
Number of cycles run: 50000  
Number of cycles run: 11855  
Number of cycles run: 13623  
Number of cycles run: 4899  
Number of cycles run: 8180  
Number of cycles run: 11989  
Number of cycles run: 9276  
Number of cycles run: 13989  
Number of cycles run: 8096  
Number of cycles run: 6443  
Number of cycles run: 13199  
Number of cycles run: 6445  
Number of cycles run: 50000  
Number of cycles run: 7529  
Number of cycles run: 6946  
Number of cycles run: 7582

Number of cycles run: 7067  
Number of cycles run: 6728  
Number of cycles run: 5975  
Number of cycles run: 10672  
Number of cycles run: 7990  
Number of cycles run: 7207  
Number of cycles run: 6161  
Number of cycles run: 5804  
Number of cycles run: 44517  
Number of cycles run: 6882  
Number of cycles run: 11252  
Number of cycles run: 7657  
Number of cycles run: 6209  
Number of cycles run: 16549  
Number of cycles run: 7100  
Number of cycles run: 7530  
Number of cycles run: 10078  
Number of cycles run: 10115  
Number of cycles run: 6705  
Number of cycles run: 9013  
Number of cycles run: 6533  
Number of cycles run: 6712  
Number of cycles run: 7150  
Number of cycles run: 8455  
Number of cycles run: 8374  
Number of cycles run: 8629  
Number of cycles run: 6426  
Av cycles for selfish strength 1.0 is 11034  
standard diviation is 9968.421769932555  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 8459  
Number of cycles run: 5810  
Number of cycles run: 9840  
Number of cycles run: 15806  
Number of cycles run: 7644  
Number of cycles run: 6319  
Number of cycles run: 7935  
Number of cycles run: 6192  
Number of cycles run: 7303  
Number of cycles run: 7937  
Number of cycles run: 7877  
Number of cycles run: 9804  
Number of cycles run: 9277  
Number of cycles run: 8027  
Number of cycles run: 9325  
Number of cycles run: 7323  
Number of cycles run: 7853  
Number of cycles run: 8327  
Number of cycles run: 6730  
Number of cycles run: 10501  
Number of cycles run: 6874  
Number of cycles run: 7067  
Number of cycles run: 20228  
Number of cycles run: 16304  
Number of cycles run: 8510  
Number of cycles run: 14063  
Number of cycles run: 9248  
Number of cycles run: 34978  
Number of cycles run: 6475  
Number of cycles run: 7144  
Number of cycles run: 5872  
Number of cycles run: 12692  
Number of cycles run: 50000  
Number of cycles run: 5379  
Number of cycles run: 9215  
Number of cycles run: 39312  
Number of cycles run: 6457  
Number of cycles run: 6188  
Number of cycles run: 8619  
Number of cycles run: 6719  
Number of cycles run: 7079  
Number of cycles run: 7445  
Number of cycles run: 7664  
Number of cycles run: 9012  
Number of cycles run: 7430  
Number of cycles run: 6788  
Number of cycles run: 21429  
Number of cycles run: 10357  
Number of cycles run: 6909  
Number of cycles run: 5484  
Av cycles for selfish strength 1.0 is 10784  
standard diviation is 8663.835286843294  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 6148  
Number of cycles run: 27993  
Number of cycles run: 5977  
Number of cycles run: 5585  
Number of cycles run: 30775  
Number of cycles run: 35181  
Number of cycles run: 7490  
Number of cycles run: 7599  
Number of cycles run: 10534  
Number of cycles run: 6810  
Number of cycles run: 8685  
Number of cycles run: 6380  
Number of cycles run: 6955  
Number of cycles run: 18311  
Number of cycles run: 10460  
Number of cycles run: 8194  
Number of cycles run: 7645  
Number of cycles run: 8704  
Number of cycles run: 5141  
Number of cycles run: 8911  
Number of cycles run: 8329  
Number of cycles run: 50000  
Number of cycles run: 10303  
Number of cycles run: 7938  
Number of cycles run: 6942  
Number of cycles run: 7382  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7025  
Number of cycles run: 16735  
Number of cycles run: 13968  
Number of cycles run: 7323  
Number of cycles run: 15029  
Number of cycles run: 7051  
Number of cycles run: 50000  
Number of cycles run: 14305  
Number of cycles run: 7606  
Number of cycles run: 50000  
Number of cycles run: 7215  
Number of cycles run: 10545  
Number of cycles run: 7524  
Number of cycles run: 14096  
Number of cycles run: 9342  
Number of cycles run: 6461  
Number of cycles run: 7181  
Number of cycles run: 16123  
Number of cycles run: 6116  
Number of cycles run: 9656  
Number of cycles run: 5811  
Number of cycles run: 7583  
Av cycles for selfish strength 1.0 is 14421  
standard diviation is 13477.41711857889  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 8725  
Number of cycles run: 11011  
Number of cycles run: 50000  
Number of cycles run: 8022  
Number of cycles run: 6515  
Number of cycles run: 8323  
Number of cycles run: 8493  
Number of cycles run: 50000  
Number of cycles run: 7601  
Number of cycles run: 7725  
Number of cycles run: 7320  
Number of cycles run: 6392  
Number of cycles run: 50000  
Number of cycles run: 7252  
Number of cycles run: 6046  
Number of cycles run: 6918  
Number of cycles run: 22165  
Number of cycles run: 6600  
Number of cycles run: 5850  
Number of cycles run: 5703  
Number of cycles run: 6689  
Number of cycles run: 6390  
Number of cycles run: 16337  
Number of cycles run: 50000  
Number of cycles run: 5067  
Number of cycles run: 9322  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 11559  
Number of cycles run: 19236  
Number of cycles run: 6704  
Number of cycles run: 7432  
Number of cycles run: 7628  
Number of cycles run: 13622  
Number of cycles run: 8159  
Number of cycles run: 14246  
Number of cycles run: 7115  
Number of cycles run: 6215  
Number of cycles run: 8683  
Number of cycles run: 7193  
Number of cycles run: 6718  
Number of cycles run: 24948  
Number of cycles run: 8194  
Number of cycles run: 13829  
Number of cycles run: 6106  
Number of cycles run: 6720  
Number of cycles run: 50000  
Number of cycles run: 7119  
Number of cycles run: 50000  
Number of cycles run: 9875  
Av cycles for selfish strength 1.0 is 15715  
standard diviation is 15650.860441378622  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 11141  
Number of cycles run: 6560  
Number of cycles run: 6457  
Number of cycles run: 10772  
Number of cycles run: 8429  
Number of cycles run: 6980  
Number of cycles run: 6794  
Number of cycles run: 8505  
Number of cycles run: 6742  
Number of cycles run: 9430  
Number of cycles run: 7815  
Number of cycles run: 6606  
Number of cycles run: 6535  
Number of cycles run: 6551  
Number of cycles run: 11498  
Number of cycles run: 6248  
Number of cycles run: 6620  
Number of cycles run: 7223  
Number of cycles run: 7084  
Number of cycles run: 30872  
Number of cycles run: 7633  
Number of cycles run: 50000  
Number of cycles run: 6566  
Number of cycles run: 11738  
Number of cycles run: 14638  
Number of cycles run: 9912  
Number of cycles run: 7187  
Number of cycles run: 6183  
Number of cycles run: 6348  
Number of cycles run: 6711  
Number of cycles run: 9778  
Number of cycles run: 36615  
Number of cycles run: 6439  
Number of cycles run: 6914  
Number of cycles run: 50000  
Number of cycles run: 13839  
Number of cycles run: 12266  
Number of cycles run: 7631  
Number of cycles run: 7828  
Number of cycles run: 50000  
Number of cycles run: 6084  
Number of cycles run: 22842  
Number of cycles run: 6692  
Number of cycles run: 7665  
Number of cycles run: 7453  
Number of cycles run: 6839  
Number of cycles run: 8892  
Number of cycles run: 21425  
Number of cycles run: 50000  
Number of cycles run: 7280  
Av cycles for selfish strength 1.0 is 13045  
standard diviation is 12551.224371530048