Testing average cycles for selfish strength 4.0  
Number of cycles run: 9378  
Number of cycles run: 12633  
Number of cycles run: 8272  
Number of cycles run: 5810  
Number of cycles run: 8176  
Number of cycles run: 7938  
Number of cycles run: 6880  
Number of cycles run: 6243  
Number of cycles run: 5791  
Number of cycles run: 6550  
Number of cycles run: 5551  
Number of cycles run: 14997  
Number of cycles run: 9003  
Number of cycles run: 9471  
Number of cycles run: 38069  
Number of cycles run: 6883  
Number of cycles run: 9162  
Number of cycles run: 9331  
Number of cycles run: 6490  
Number of cycles run: 10166  
Number of cycles run: 9000  
Number of cycles run: 50000  
Number of cycles run: 5803  
Number of cycles run: 29941  
Number of cycles run: 7464  
Number of cycles run: 7922  
Number of cycles run: 20603  
Number of cycles run: 8624  
Number of cycles run: 5986  
Number of cycles run: 5295  
Number of cycles run: 13581  
Number of cycles run: 8935  
Number of cycles run: 5593  
Number of cycles run: 7827  
Number of cycles run: 6709  
Number of cycles run: 6519  
Number of cycles run: 50000  
Number of cycles run: 28340  
Number of cycles run: 50000  
Number of cycles run: 7885  
Number of cycles run: 6803  
Number of cycles run: 8307  
Number of cycles run: 7672  
Number of cycles run: 6561  
Number of cycles run: 6554  
Number of cycles run: 50000  
Number of cycles run: 6394  
Number of cycles run: 5710  
Number of cycles run: 10517  
Number of cycles run: 7009  
Av cycles for selfish strength 4.0 is 12966  
standard diviation is 12753.683731889434  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 10713  
Number of cycles run: 8658  
Number of cycles run: 7668  
Number of cycles run: 21142  
Number of cycles run: 10986  
Number of cycles run: 6718  
Number of cycles run: 6012  
Number of cycles run: 6542  
Number of cycles run: 17006  
Number of cycles run: 27163  
Number of cycles run: 6239  
Number of cycles run: 7692  
Number of cycles run: 7276  
Number of cycles run: 8046  
Number of cycles run: 10793  
Number of cycles run: 6441  
Number of cycles run: 7981  
Number of cycles run: 8314  
Number of cycles run: 5929  
Number of cycles run: 6646  
Number of cycles run: 7331  
Number of cycles run: 6346  
Number of cycles run: 8221  
Number of cycles run: 19657  
Number of cycles run: 6635  
Number of cycles run: 6647  
Number of cycles run: 5472  
Number of cycles run: 6232  
Number of cycles run: 5856  
Number of cycles run: 8781  
Number of cycles run: 6535  
Number of cycles run: 7574  
Number of cycles run: 8737  
Number of cycles run: 5241  
Number of cycles run: 5209  
Number of cycles run: 9953  
Number of cycles run: 4987  
Number of cycles run: 29831  
Number of cycles run: 6162  
Number of cycles run: 6211  
Number of cycles run: 17494  
Number of cycles run: 6256  
Number of cycles run: 9111  
Number of cycles run: 9267  
Number of cycles run: 6068  
Number of cycles run: 6622  
Number of cycles run: 6751  
Number of cycles run: 6803  
Number of cycles run: 5729  
Number of cycles run: 7093  
Av cycles for selfish strength 4.0 is 9015  
standard diviation is 5338.890109414892  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 8541  
Number of cycles run: 25774  
Number of cycles run: 6853  
Number of cycles run: 7321  
Number of cycles run: 50000  
Number of cycles run: 11940  
Number of cycles run: 15703  
Number of cycles run: 11780  
Number of cycles run: 7893  
Number of cycles run: 11651  
Number of cycles run: 7533  
Number of cycles run: 7764  
Number of cycles run: 7134  
Number of cycles run: 29409  
Number of cycles run: 7201  
Number of cycles run: 50000  
Number of cycles run: 8177  
Number of cycles run: 7874  
Number of cycles run: 9747  
Number of cycles run: 6966  
Number of cycles run: 50000  
Number of cycles run: 9816  
Number of cycles run: 7172  
Number of cycles run: 11404  
Number of cycles run: 7214  
Number of cycles run: 50000  
Number of cycles run: 5389  
Number of cycles run: 7847  
Number of cycles run: 8146  
Number of cycles run: 7155  
Number of cycles run: 5398  
Number of cycles run: 50000  
Number of cycles run: 7814  
Number of cycles run: 6734  
Number of cycles run: 8569  
Number of cycles run: 8355  
Number of cycles run: 10692  
Number of cycles run: 5482  
Number of cycles run: 6624  
Number of cycles run: 6405  
Number of cycles run: 6641  
Number of cycles run: 4510  
Number of cycles run: 12373  
Number of cycles run: 4676  
Number of cycles run: 8444  
Number of cycles run: 8542  
Number of cycles run: 10222  
Number of cycles run: 6870  
Number of cycles run: 8945  
Number of cycles run: 7255  
Av cycles for selfish strength 4.0 is 13158  
standard diviation is 15002.158757978528  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 7082  
Number of cycles run: 6175  
Number of cycles run: 6872  
Number of cycles run: 6478  
Number of cycles run: 6943  
Number of cycles run: 50000  
Number of cycles run: 8225  
Number of cycles run: 7726  
Number of cycles run: 46490  
Number of cycles run: 11165  
Number of cycles run: 5095  
Number of cycles run: 50000  
Number of cycles run: 6096  
Number of cycles run: 8714  
Number of cycles run: 10889  
Number of cycles run: 7576  
Number of cycles run: 6256  
Number of cycles run: 8395  
Number of cycles run: 7979  
Number of cycles run: 6362  
Number of cycles run: 8354  
Number of cycles run: 5984  
Number of cycles run: 7370  
Number of cycles run: 7276  
Number of cycles run: 6230  
Number of cycles run: 6403  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 15817  
Number of cycles run: 7160  
Number of cycles run: 6855  
Number of cycles run: 7199  
Number of cycles run: 9973  
Number of cycles run: 5711  
Number of cycles run: 6266  
Number of cycles run: 6890  
Number of cycles run: 16605  
Number of cycles run: 5614  
Number of cycles run: 17553  
Number of cycles run: 10519  
Number of cycles run: 7175  
Number of cycles run: 6773  
Number of cycles run: 5976  
Number of cycles run: 6874  
Number of cycles run: 7146  
Number of cycles run: 6781  
Number of cycles run: 6319  
Number of cycles run: 10998  
Number of cycles run: 24108  
Number of cycles run: 9263  
Av cycles for selfish strength 4.0 is 12474  
standard diviation is 12881.307323689896  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 8003  
Number of cycles run: 6337  
Number of cycles run: 6427  
Number of cycles run: 5360  
Number of cycles run: 7415  
Number of cycles run: 6558  
Number of cycles run: 50000  
Number of cycles run: 8404  
Number of cycles run: 6023  
Number of cycles run: 36913  
Number of cycles run: 8181  
Number of cycles run: 6790  
Number of cycles run: 8949  
Number of cycles run: 10632  
Number of cycles run: 7414  
Number of cycles run: 6409  
Number of cycles run: 12950  
Number of cycles run: 5660  
Number of cycles run: 7364  
Number of cycles run: 50000  
Number of cycles run: 7063  
Number of cycles run: 5756  
Number of cycles run: 8497  
Number of cycles run: 6822  
Number of cycles run: 6603  
Number of cycles run: 7191  
Number of cycles run: 4521  
Number of cycles run: 15232  
Number of cycles run: 5785  
Number of cycles run: 6513  
Number of cycles run: 50000  
Number of cycles run: 6962  
Number of cycles run: 6042  
Number of cycles run: 10804  
Number of cycles run: 8079  
Number of cycles run: 8186  
Number of cycles run: 50000  
Number of cycles run: 6066  
Number of cycles run: 24444  
Number of cycles run: 5851  
Number of cycles run: 18746  
Number of cycles run: 38387  
Number of cycles run: 7158  
Number of cycles run: 6370  
Number of cycles run: 6727  
Number of cycles run: 11315  
Number of cycles run: 11328  
Number of cycles run: 10845  
Number of cycles run: 7027  
Number of cycles run: 7616  
Av cycles for selfish strength 4.0 is 12834  
standard diviation is 12962.243329480167  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 7460  
Number of cycles run: 17680  
Number of cycles run: 9683  
Number of cycles run: 7069  
Number of cycles run: 6476  
Number of cycles run: 10356  
Number of cycles run: 5869  
Number of cycles run: 5992  
Number of cycles run: 6569  
Number of cycles run: 19953  
Number of cycles run: 9134  
Number of cycles run: 8558  
Number of cycles run: 5492  
Number of cycles run: 7973  
Number of cycles run: 13925  
Number of cycles run: 7112  
Number of cycles run: 9254  
Number of cycles run: 8564  
Number of cycles run: 8494  
Number of cycles run: 7058  
Number of cycles run: 7141  
Number of cycles run: 8000  
Number of cycles run: 32012  
Number of cycles run: 8928

Number of cycles run: 8039  
Number of cycles run: 7466  
Number of cycles run: 6774  
Number of cycles run: 7744  
Number of cycles run: 9138  
Number of cycles run: 44021  
Number of cycles run: 5612  
Number of cycles run: 8236  
Number of cycles run: 6931  
Number of cycles run: 5180  
Number of cycles run: 5444  
Number of cycles run: 9228  
Number of cycles run: 8292  
Number of cycles run: 6939  
Number of cycles run: 5367  
Number of cycles run: 6758  
Number of cycles run: 9457  
Number of cycles run: 9905  
Number of cycles run: 50000  
Number of cycles run: 6815  
Number of cycles run: 8450  
Number of cycles run: 7056  
Number of cycles run: 9512  
Number of cycles run: 11449  
Number of cycles run: 6709  
Number of cycles run: 5511  
Av cycles for selfish strength 4.0 is 10295  
standard diviation is 8745.921674047364  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 15866  
Number of cycles run: 6045  
Number of cycles run: 5636  
Number of cycles run: 6414  
Number of cycles run: 8534  
Number of cycles run: 8402  
Number of cycles run: 7576  
Number of cycles run: 12005  
Number of cycles run: 7071  
Number of cycles run: 50000  
Number of cycles run: 8131  
Number of cycles run: 6529  
Number of cycles run: 7230  
Number of cycles run: 8159  
Number of cycles run: 5231  
Number of cycles run: 6131  
Number of cycles run: 5448  
Number of cycles run: 8409  
Number of cycles run: 8268  
Number of cycles run: 27330  
Number of cycles run: 6515  
Number of cycles run: 50000  
Number of cycles run: 8906  
Number of cycles run: 50000  
Number of cycles run: 16331  
Number of cycles run: 7046  
Number of cycles run: 6270  
Number of cycles run: 8182  
Number of cycles run: 5352  
Number of cycles run: 12542  
Number of cycles run: 7772  
Number of cycles run: 7230  
Number of cycles run: 7882  
Number of cycles run: 6683  
Number of cycles run: 6673  
Number of cycles run: 6715  
Number of cycles run: 6362  
Number of cycles run: 7491  
Number of cycles run: 5930  
Number of cycles run: 7430  
Number of cycles run: 6835  
Number of cycles run: 13621  
Number of cycles run: 7019  
Number of cycles run: 10873  
Number of cycles run: 6458  
Number of cycles run: 5387  
Number of cycles run: 8662  
Number of cycles run: 8684  
Number of cycles run: 6849  
Number of cycles run: 6003  
Av cycles for selfish strength 4.0 is 10802  
standard diviation is 10652.190936389852  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 6299  
Number of cycles run: 6831  
Number of cycles run: 6282  
Number of cycles run: 20298  
Number of cycles run: 7544  
Number of cycles run: 6106  
Number of cycles run: 6585  
Number of cycles run: 8723  
Number of cycles run: 6124  
Number of cycles run: 4449  
Number of cycles run: 7657  
Number of cycles run: 6619  
Number of cycles run: 10365  
Number of cycles run: 8328  
Number of cycles run: 8335  
Number of cycles run: 6144  
Number of cycles run: 6186  
Number of cycles run: 9548  
Number of cycles run: 6141  
Number of cycles run: 6684  
Number of cycles run: 5803  
Number of cycles run: 11640  
Number of cycles run: 6766  
Number of cycles run: 6547  
Number of cycles run: 8297  
Number of cycles run: 10849  
Number of cycles run: 8850  
Number of cycles run: 7209  
Number of cycles run: 19047  
Number of cycles run: 11474  
Number of cycles run: 19230  
Number of cycles run: 6314  
Number of cycles run: 6905  
Number of cycles run: 15025  
Number of cycles run: 7035  
Number of cycles run: 5822  
Number of cycles run: 7998  
Number of cycles run: 8913  
Number of cycles run: 6113  
Number of cycles run: 5443  
Number of cycles run: 50000  
Number of cycles run: 5851  
Number of cycles run: 8209  
Number of cycles run: 8267  
Number of cycles run: 39760  
Number of cycles run: 50000  
Number of cycles run: 5229  
Number of cycles run: 6661  
Number of cycles run: 6681  
Number of cycles run: 6807  
Av cycles for selfish strength 4.0 is 10559  
standard diviation is 9888.10942085369  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 5636  
Number of cycles run: 6787  
Number of cycles run: 6459  
Number of cycles run: 20825  
Number of cycles run: 50000  
Number of cycles run: 9536  
Number of cycles run: 9272  
Number of cycles run: 50000  
Number of cycles run: 19823  
Number of cycles run: 25274  
Number of cycles run: 6599  
Number of cycles run: 50000  
Number of cycles run: 5725  
Number of cycles run: 5471  
Number of cycles run: 7263  
Number of cycles run: 5697  
Number of cycles run: 10401  
Number of cycles run: 10550  
Number of cycles run: 8956  
Number of cycles run: 50000  
Number of cycles run: 8160  
Number of cycles run: 25446  
Number of cycles run: 7536  
Number of cycles run: 6234  
Number of cycles run: 6340  
Number of cycles run: 41893  
Number of cycles run: 5839  
Number of cycles run: 8013  
Number of cycles run: 50000  
Number of cycles run: 7819  
Number of cycles run: 7767  
Number of cycles run: 6331  
Number of cycles run: 5693  
Number of cycles run: 5959  
Number of cycles run: 5845  
Number of cycles run: 6030  
Number of cycles run: 22395  
Number of cycles run: 6951  
Number of cycles run: 6547  
Number of cycles run: 6574  
Number of cycles run: 6398  
Number of cycles run: 6224  
Number of cycles run: 9841  
Number of cycles run: 6526  
Number of cycles run: 5330  
Number of cycles run: 9626  
Number of cycles run: 7243  
Number of cycles run: 7736  
Number of cycles run: 6250  
Number of cycles run: 7233  
Av cycles for selfish strength 4.0 is 13681  
standard diviation is 13980.66181378509  
Testing average cycles for selfish strength 4.0  
Number of cycles run: 11609  
Number of cycles run: 9478  
Number of cycles run: 8064  
Number of cycles run: 7703  
Number of cycles run: 7701  
Number of cycles run: 6365  
Number of cycles run: 7236  
Number of cycles run: 5816  
Number of cycles run: 6166  
Number of cycles run: 50000  
Number of cycles run: 10592  
Number of cycles run: 5999  
Number of cycles run: 5027  
Number of cycles run: 6250  
Number of cycles run: 8133  
Number of cycles run: 25450  
Number of cycles run: 6663  
Number of cycles run: 14499  
Number of cycles run: 7267  
Number of cycles run: 13974  
Number of cycles run: 6034  
Number of cycles run: 50000  
Number of cycles run: 7602  
Number of cycles run: 12405  
Number of cycles run: 14801  
Number of cycles run: 5283  
Number of cycles run: 12596  
Number of cycles run: 7069  
Number of cycles run: 7919  
Number of cycles run: 9296  
Number of cycles run: 25252  
Number of cycles run: 27283  
Number of cycles run: 6346  
Number of cycles run: 7462  
Number of cycles run: 8648  
Number of cycles run: 6933  
Number of cycles run: 6121  
Number of cycles run: 10631  
Number of cycles run: 7994  
Number of cycles run: 35171  
Number of cycles run: 36456  
Number of cycles run: 6764  
Number of cycles run: 5690  
Number of cycles run: 7033  
Number of cycles run: 8573  
Number of cycles run: 8726  
Number of cycles run: 6731  
Number of cycles run: 6554  
Number of cycles run: 8616  
Number of cycles run: 8194  
Av cycles for selfish strength 4.0 is 12043  
standard diviation is 10585.61062075711