Testing average cycles for selfish strength 2.5  
Number of cycles run: 6263  
Number of cycles run: 6937  
Number of cycles run: 50000  
Number of cycles run: 7025  
Number of cycles run: 8026  
Number of cycles run: 23056  
Number of cycles run: 5450  
Number of cycles run: 6259  
Number of cycles run: 44323  
Number of cycles run: 8046  
Number of cycles run: 9160  
Number of cycles run: 7241  
Number of cycles run: 10883  
Number of cycles run: 7891  
Number of cycles run: 7609  
Number of cycles run: 6650  
Number of cycles run: 8405  
Number of cycles run: 8007  
Number of cycles run: 6892  
Number of cycles run: 5835  
Number of cycles run: 6014  
Number of cycles run: 6354  
Number of cycles run: 9037  
Number of cycles run: 8051  
Number of cycles run: 10919  
Number of cycles run: 50000  
Number of cycles run: 7333  
Number of cycles run: 12007  
Number of cycles run: 5782  
Number of cycles run: 6454  
Number of cycles run: 19174  
Number of cycles run: 8522  
Number of cycles run: 6829  
Number of cycles run: 8030  
Number of cycles run: 8963  
Number of cycles run: 6305  
Number of cycles run: 5269  
Number of cycles run: 7090  
Number of cycles run: 6146  
Number of cycles run: 7980  
Number of cycles run: 50000  
Number of cycles run: 7064  
Number of cycles run: 5423  
Number of cycles run: 44333  
Number of cycles run: 6835  
Number of cycles run: 10096  
Number of cycles run: 6130  
Number of cycles run: 9119  
Number of cycles run: 7696  
Number of cycles run: 8959  
Number of cycles run: 6278  
Number of cycles run: 10615  
Number of cycles run: 16774  
Number of cycles run: 13308  
Number of cycles run: 13797  
Number of cycles run: 46846  
Number of cycles run: 4981  
Number of cycles run: 6797  
Number of cycles run: 6141  
Number of cycles run: 8973  
Number of cycles run: 9173  
Number of cycles run: 9805  
Number of cycles run: 7290  
Number of cycles run: 21770  
Number of cycles run: 10767  
Number of cycles run: 6044  
Number of cycles run: 13404  
Number of cycles run: 17423  
Number of cycles run: 7613  
Number of cycles run: 8577  
Number of cycles run: 10821  
Number of cycles run: 6677  
Number of cycles run: 5810  
Number of cycles run: 6587  
Number of cycles run: 23109  
Number of cycles run: 19062  
Number of cycles run: 8595  
Number of cycles run: 4604  
Number of cycles run: 11737  
Number of cycles run: 8277  
Number of cycles run: 7917  
Number of cycles run: 10825  
Number of cycles run: 50000  
Number of cycles run: 9837  
Number of cycles run: 8813  
Number of cycles run: 8824  
Number of cycles run: 10237  
Number of cycles run: 7432  
Number of cycles run: 6582  
Number of cycles run: 17681  
Number of cycles run: 9397  
Number of cycles run: 13422  
Number of cycles run: 6319  
Number of cycles run: 5723  
Number of cycles run: 8246  
Number of cycles run: 7208  
Number of cycles run: 8518  
Number of cycles run: 8194  
Number of cycles run: 50000  
Number of cycles run: 8005  
Av cycles for selfish strength 2.5 is 12207  
standard diviation is 11323.832174500936  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 9628  
Number of cycles run: 6345  
Number of cycles run: 8675  
Number of cycles run: 6622  
Number of cycles run: 7589  
Number of cycles run: 6834  
Number of cycles run: 12832  
Number of cycles run: 9012  
Number of cycles run: 7898  
Number of cycles run: 5273  
Number of cycles run: 6520  
Number of cycles run: 11960  
Number of cycles run: 7785  
Number of cycles run: 8869  
Number of cycles run: 8087  
Number of cycles run: 10312  
Number of cycles run: 6948  
Number of cycles run: 9979  
Number of cycles run: 42110  
Number of cycles run: 7345  
Number of cycles run: 8358  
Number of cycles run: 6230  
Number of cycles run: 7716  
Number of cycles run: 6257  
Number of cycles run: 7347  
Number of cycles run: 8524  
Number of cycles run: 50000  
Number of cycles run: 12185  
Number of cycles run: 5731  
Number of cycles run: 4836  
Number of cycles run: 11686  
Number of cycles run: 6441  
Number of cycles run: 8261  
Number of cycles run: 23774  
Number of cycles run: 13705  
Number of cycles run: 7927  
Number of cycles run: 10139  
Number of cycles run: 50000  
Number of cycles run: 9873  
Number of cycles run: 6401  
Number of cycles run: 9017  
Number of cycles run: 7385  
Number of cycles run: 8272  
Number of cycles run: 50000  
Number of cycles run: 49726  
Number of cycles run: 7724  
Number of cycles run: 6397  
Number of cycles run: 7477  
Number of cycles run: 8639  
Number of cycles run: 7271  
Number of cycles run: 5218  
Number of cycles run: 20320  
Number of cycles run: 8894  
Number of cycles run: 6741  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7032  
Number of cycles run: 6411  
Number of cycles run: 6302  
Number of cycles run: 6551  
Number of cycles run: 5829  
Number of cycles run: 6910  
Number of cycles run: 7058  
Number of cycles run: 12195  
Number of cycles run: 6391  
Number of cycles run: 7130  
Number of cycles run: 5880  
Number of cycles run: 12066  
Number of cycles run: 7494  
Number of cycles run: 12007  
Number of cycles run: 8078  
Number of cycles run: 5999  
Number of cycles run: 6253  
Number of cycles run: 29133  
Number of cycles run: 8430  
Number of cycles run: 50000  
Number of cycles run: 11932  
Number of cycles run: 6088  
Number of cycles run: 6447  
Number of cycles run: 7290  
Number of cycles run: 7946  
Number of cycles run: 6176  
Number of cycles run: 7322  
Number of cycles run: 6438  
Number of cycles run: 5207  
Number of cycles run: 6893  
Number of cycles run: 7580  
Number of cycles run: 6228  
Number of cycles run: 7151  
Number of cycles run: 6399  
Number of cycles run: 42655  
Number of cycles run: 6760  
Number of cycles run: 6659  
Number of cycles run: 8763  
Number of cycles run: 5507  
Number of cycles run: 8123  
Number of cycles run: 8525  
Number of cycles run: 9100  
Number of cycles run: 7399  
Number of cycles run: 35295  
Av cycles for selfish strength 2.5 is 12241  
standard diviation is 12228.722365976808  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 8518  
Number of cycles run: 9572  
Number of cycles run: 14381  
Number of cycles run: 7789  
Number of cycles run: 6938  
Number of cycles run: 9163  
Number of cycles run: 8322  
Number of cycles run: 6117  
Number of cycles run: 6261  
Number of cycles run: 7843  
Number of cycles run: 8615  
Number of cycles run: 6289  
Number of cycles run: 7787  
Number of cycles run: 5915  
Number of cycles run: 4905  
Number of cycles run: 50000  
Number of cycles run: 8695  
Number of cycles run: 7781  
Number of cycles run: 6937  
Number of cycles run: 8025  
Number of cycles run: 16503  
Number of cycles run: 6693  
Number of cycles run: 6798  
Number of cycles run: 7055  
Number of cycles run: 7746  
Number of cycles run: 6454  
Number of cycles run: 8108  
Number of cycles run: 10108  
Number of cycles run: 5545  
Number of cycles run: 50000  
Number of cycles run: 5638  
Number of cycles run: 7223  
Number of cycles run: 6871  
Number of cycles run: 5383  
Number of cycles run: 48075  
Number of cycles run: 8654  
Number of cycles run: 6893  
Number of cycles run: 10262  
Number of cycles run: 8023  
Number of cycles run: 7562  
Number of cycles run: 7632  
Number of cycles run: 8052  
Number of cycles run: 7166  
Number of cycles run: 8748  
Number of cycles run: 50000  
Number of cycles run: 8333  
Number of cycles run: 9232  
Number of cycles run: 5863  
Number of cycles run: 15810  
Number of cycles run: 7913  
Number of cycles run: 8654  
Number of cycles run: 7179  
Number of cycles run: 8948  
Number of cycles run: 12120  
Number of cycles run: 7870  
Number of cycles run: 9645  
Number of cycles run: 50000  
Number of cycles run: 7389  
Number of cycles run: 6952  
Number of cycles run: 6597  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 10283  
Number of cycles run: 7753  
Number of cycles run: 50000  
Number of cycles run: 8553  
Number of cycles run: 38349  
Number of cycles run: 50000  
Number of cycles run: 7980  
Number of cycles run: 5952  
Number of cycles run: 5920  
Number of cycles run: 8910  
Number of cycles run: 9133  
Number of cycles run: 6601  
Number of cycles run: 6936  
Number of cycles run: 7735  
Number of cycles run: 8534  
Number of cycles run: 7633  
Number of cycles run: 50000  
Number of cycles run: 9087  
Number of cycles run: 7035  
Number of cycles run: 5988  
Number of cycles run: 6152  
Number of cycles run: 7864  
Number of cycles run: 50000  
Number of cycles run: 6993  
Number of cycles run: 50000  
Number of cycles run: 8170  
Number of cycles run: 9243

Number of cycles run: 11869  
Number of cycles run: 8021  
Number of cycles run: 6920  
Number of cycles run: 50000  
Number of cycles run: 6896  
Number of cycles run: 9435  
Number of cycles run: 8195  
Number of cycles run: 10036  
Number of cycles run: 10074  
Number of cycles run: 7867  
Number of cycles run: 7996  
Av cycles for selfish strength 2.5 is 13816  
standard diviation is 14441.641679430728  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7503  
Number of cycles run: 50000  
Number of cycles run: 6820  
Number of cycles run: 6978  
Number of cycles run: 10012  
Number of cycles run: 7322  
Number of cycles run: 7227  
Number of cycles run: 11414  
Number of cycles run: 50000  
Number of cycles run: 8307  
Number of cycles run: 9756  
Number of cycles run: 13023  
Number of cycles run: 6759  
Number of cycles run: 7029  
Number of cycles run: 6190  
Number of cycles run: 7972  
Number of cycles run: 8927  
Number of cycles run: 10088  
Number of cycles run: 8849  
Number of cycles run: 6735  
Number of cycles run: 10812  
Number of cycles run: 37059  
Number of cycles run: 16107  
Number of cycles run: 7029  
Number of cycles run: 10258  
Number of cycles run: 7397  
Number of cycles run: 7761  
Number of cycles run: 24822  
Number of cycles run: 7551  
Number of cycles run: 7085  
Number of cycles run: 9174  
Number of cycles run: 5218  
Number of cycles run: 20018  
Number of cycles run: 7320  
Number of cycles run: 9146  
Number of cycles run: 6642  
Number of cycles run: 7546  
Number of cycles run: 5809  
Number of cycles run: 6798  
Number of cycles run: 5400  
Number of cycles run: 6183  
Number of cycles run: 9861  
Number of cycles run: 7818  
Number of cycles run: 7033  
Number of cycles run: 43758  
Number of cycles run: 6025  
Number of cycles run: 27210  
Number of cycles run: 7243  
Number of cycles run: 6555  
Number of cycles run: 7942  
Number of cycles run: 8482  
Number of cycles run: 6919  
Number of cycles run: 8481  
Number of cycles run: 8956  
Number of cycles run: 6965  
Number of cycles run: 9489  
Number of cycles run: 6862  
Number of cycles run: 48383  
Number of cycles run: 7279  
Number of cycles run: 7763  
Number of cycles run: 12147  
Number of cycles run: 8564  
Number of cycles run: 7761  
Number of cycles run: 7434  
Number of cycles run: 8504  
Number of cycles run: 50000  
Number of cycles run: 7605  
Number of cycles run: 7513  
Number of cycles run: 7972  
Number of cycles run: 6621  
Number of cycles run: 20536  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8304  
Number of cycles run: 6886  
Number of cycles run: 6458  
Number of cycles run: 5568  
Number of cycles run: 11458  
Number of cycles run: 50000  
Number of cycles run: 9241  
Number of cycles run: 10132  
Number of cycles run: 23221  
Number of cycles run: 17764  
Number of cycles run: 7453  
Number of cycles run: 7369  
Number of cycles run: 50000  
Number of cycles run: 7678  
Number of cycles run: 7074  
Number of cycles run: 11574  
Number of cycles run: 7375  
Number of cycles run: 15506  
Number of cycles run: 10877  
Number of cycles run: 7088  
Number of cycles run: 12337  
Number of cycles run: 7224  
Number of cycles run: 7892  
Number of cycles run: 11006  
Number of cycles run: 6609  
Number of cycles run: 6688  
Number of cycles run: 7259  
Av cycles for selfish strength 2.5 is 13037  
standard diviation is 12389.272095166883  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7777  
Number of cycles run: 6372  
Number of cycles run: 12443  
Number of cycles run: 9523  
Number of cycles run: 8653  
Number of cycles run: 11158  
Number of cycles run: 7493  
Number of cycles run: 6614  
Number of cycles run: 50000  
Number of cycles run: 11976  
Number of cycles run: 5700  
Number of cycles run: 6501  
Number of cycles run: 8023  
Number of cycles run: 8582  
Number of cycles run: 7660  
Number of cycles run: 18556  
Number of cycles run: 12377  
Number of cycles run: 10694  
Number of cycles run: 11116  
Number of cycles run: 8000  
Number of cycles run: 8769  
Number of cycles run: 8157  
Number of cycles run: 6944  
Number of cycles run: 10119  
Number of cycles run: 7126  
Number of cycles run: 9760  
Number of cycles run: 15226  
Number of cycles run: 15410  
Number of cycles run: 28168  
Number of cycles run: 7833  
Number of cycles run: 6663  
Number of cycles run: 10752  
Number of cycles run: 6079  
Number of cycles run: 10495  
Number of cycles run: 17770  
Number of cycles run: 7218  
Number of cycles run: 6236  
Number of cycles run: 50000  
Number of cycles run: 8212  
Number of cycles run: 8354  
Number of cycles run: 11619  
Number of cycles run: 6633  
Number of cycles run: 50000  
Number of cycles run: 7830  
Number of cycles run: 6818  
Number of cycles run: 5894  
Number of cycles run: 12761  
Number of cycles run: 6883  
Number of cycles run: 8433  
Number of cycles run: 9871  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 10249  
Number of cycles run: 7089  
Number of cycles run: 19515  
Number of cycles run: 7032  
Number of cycles run: 7926  
Number of cycles run: 20285  
Number of cycles run: 9879  
Number of cycles run: 13770  
Number of cycles run: 9616  
Number of cycles run: 8342  
Number of cycles run: 5119  
Number of cycles run: 9658  
Number of cycles run: 10502  
Number of cycles run: 16657  
Number of cycles run: 7255  
Number of cycles run: 6200  
Number of cycles run: 6137  
Number of cycles run: 6092  
Number of cycles run: 50000  
Number of cycles run: 10684  
Number of cycles run: 9246  
Number of cycles run: 5735  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8940  
Number of cycles run: 7675  
Number of cycles run: 31627  
Number of cycles run: 8750  
Number of cycles run: 6512  
Number of cycles run: 6017  
Number of cycles run: 6058  
Number of cycles run: 5986  
Number of cycles run: 14382  
Number of cycles run: 11765  
Number of cycles run: 24875  
Number of cycles run: 50000  
Number of cycles run: 11024  
Number of cycles run: 10988  
Number of cycles run: 7816  
Number of cycles run: 7098  
Number of cycles run: 6801  
Number of cycles run: 10671  
Number of cycles run: 8220  
Number of cycles run: 8412  
Number of cycles run: 44227  
Number of cycles run: 50000  
Number of cycles run: 7366  
Number of cycles run: 8165  
Av cycles for selfish strength 2.5 is 14256  
standard diviation is 13229.409054821685  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7193  
Number of cycles run: 5216  
Number of cycles run: 8129  
Number of cycles run: 8794  
Number of cycles run: 50000  
Number of cycles run: 11676  
Number of cycles run: 7285  
Number of cycles run: 7102  
Number of cycles run: 6494  
Number of cycles run: 6917  
Number of cycles run: 6996  
Number of cycles run: 7698  
Number of cycles run: 6712  
Number of cycles run: 8312  
Number of cycles run: 26703  
Number of cycles run: 6348  
Number of cycles run: 5652  
Number of cycles run: 8416  
Number of cycles run: 50000  
Number of cycles run: 7044  
Number of cycles run: 7078  
Number of cycles run: 7054  
Number of cycles run: 6453  
Number of cycles run: 6604  
Number of cycles run: 50000  
Number of cycles run: 5195  
Number of cycles run: 8384  
Number of cycles run: 42769  
Number of cycles run: 11704  
Number of cycles run: 10576  
Number of cycles run: 5802  
Number of cycles run: 7942  
Number of cycles run: 6947  
Number of cycles run: 6804  
Number of cycles run: 6639  
Number of cycles run: 12921  
Number of cycles run: 6789  
Number of cycles run: 8581  
Number of cycles run: 6990  
Number of cycles run: 50000  
Number of cycles run: 6239  
Number of cycles run: 8223  
Number of cycles run: 50000  
Number of cycles run: 9571  
Number of cycles run: 6961  
Number of cycles run: 7549  
Number of cycles run: 5871  
Number of cycles run: 5985  
Number of cycles run: 6982  
Number of cycles run: 7763  
Number of cycles run: 6445  
Number of cycles run: 9062  
Number of cycles run: 7484  
Number of cycles run: 5197  
Number of cycles run: 5968  
Number of cycles run: 9890  
Number of cycles run: 50000  
Number of cycles run: 8052  
Number of cycles run: 7836  
Number of cycles run: 6108  
Number of cycles run: 7731  
Number of cycles run: 50000  
Number of cycles run: 7743  
Number of cycles run: 7483  
Number of cycles run: 8458  
Number of cycles run: 6651  
Number of cycles run: 7496  
Number of cycles run: 6517  
Number of cycles run: 5396  
Number of cycles run: 6114  
Number of cycles run: 18421  
Number of cycles run: 15370  
Number of cycles run: 7007  
Number of cycles run: 6977

Number of cycles run: 7810  
Number of cycles run: 10881  
Number of cycles run: 7598  
Number of cycles run: 7697  
Number of cycles run: 50000  
Number of cycles run: 8333  
Number of cycles run: 7534  
Number of cycles run: 12646  
Number of cycles run: 6839  
Number of cycles run: 13395  
Number of cycles run: 4808  
Number of cycles run: 10810  
Number of cycles run: 6101  
Number of cycles run: 50000  
Number of cycles run: 6917  
Number of cycles run: 7003  
Number of cycles run: 9379  
Number of cycles run: 7707  
Number of cycles run: 50000  
Number of cycles run: 8896  
Number of cycles run: 5317  
Number of cycles run: 6178  
Number of cycles run: 6320  
Number of cycles run: 7490  
Number of cycles run: 6642  
Number of cycles run: 8913  
Av cycles for selfish strength 2.5 is 12556  
standard diviation is 13316.68225815828  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7215  
Number of cycles run: 11044  
Number of cycles run: 13026  
Number of cycles run: 11333  
Number of cycles run: 15106  
Number of cycles run: 12726  
Number of cycles run: 10202  
Number of cycles run: 6928  
Number of cycles run: 17643  
Number of cycles run: 7321  
Number of cycles run: 12689  
Number of cycles run: 6585  
Number of cycles run: 10408  
Number of cycles run: 7253  
Number of cycles run: 7000  
Number of cycles run: 8567  
Number of cycles run: 6643  
Number of cycles run: 8064  
Number of cycles run: 7049  
Number of cycles run: 8317  
Number of cycles run: 8867  
Number of cycles run: 7068  
Number of cycles run: 6933  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8733  
Number of cycles run: 6976  
Number of cycles run: 6778  
Number of cycles run: 6755  
Number of cycles run: 6791  
Number of cycles run: 6290  
Number of cycles run: 11325  
Number of cycles run: 7016  
Number of cycles run: 6472  
Number of cycles run: 8852  
Number of cycles run: 8398  
Number of cycles run: 7930  
Number of cycles run: 6415  
Number of cycles run: 11193  
Number of cycles run: 7387  
Number of cycles run: 6446  
Number of cycles run: 8852  
Number of cycles run: 7084  
Number of cycles run: 19991  
Number of cycles run: 6603  
Number of cycles run: 8227  
Number of cycles run: 50000  
Number of cycles run: 7726  
Number of cycles run: 19476  
Number of cycles run: 5575  
Number of cycles run: 6232  
Number of cycles run: 7413  
Number of cycles run: 8546  
Number of cycles run: 6568  
Number of cycles run: 6875  
Number of cycles run: 9051  
Number of cycles run: 6991  
Number of cycles run: 10075  
Number of cycles run: 11400  
Number of cycles run: 8310  
Number of cycles run: 5587  
Number of cycles run: 8414  
Number of cycles run: 6874  
Number of cycles run: 7724  
Number of cycles run: 50000  
Number of cycles run: 5737  
Number of cycles run: 32924  
Number of cycles run: 6144  
Number of cycles run: 9268  
Number of cycles run: 7011  
Number of cycles run: 43310  
Number of cycles run: 50000  
Number of cycles run: 7566  
Number of cycles run: 11154  
Number of cycles run: 50000  
Number of cycles run: 13244  
Number of cycles run: 7326  
Number of cycles run: 7795  
Number of cycles run: 6665  
Number of cycles run: 21260  
Number of cycles run: 7086  
Number of cycles run: 6584  
Number of cycles run: 7600  
Number of cycles run: 7392  
Number of cycles run: 6959  
Number of cycles run: 5474  
Number of cycles run: 7432  
Number of cycles run: 8129  
Number of cycles run: 11166  
Number of cycles run: 6414  
Number of cycles run: 43918  
Number of cycles run: 6631  
Number of cycles run: 6363  
Number of cycles run: 9862  
Number of cycles run: 11448  
Number of cycles run: 6220  
Number of cycles run: 7615  
Number of cycles run: 6609  
Number of cycles run: 45474  
Number of cycles run: 5782  
Av cycles for selfish strength 2.5 is 12389  
standard diviation is 11940.018207183723  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 11246  
Number of cycles run: 16786  
Number of cycles run: 7121  
Number of cycles run: 16772  
Number of cycles run: 6720  
Number of cycles run: 11255  
Number of cycles run: 6888  
Number of cycles run: 9006  
Number of cycles run: 6531  
Number of cycles run: 6436  
Number of cycles run: 6893  
Number of cycles run: 8900  
Number of cycles run: 5730  
Number of cycles run: 10003  
Number of cycles run: 6828  
Number of cycles run: 7557  
Number of cycles run: 8517  
Number of cycles run: 6970  
Number of cycles run: 10150  
Number of cycles run: 14811  
Number of cycles run: 9272  
Number of cycles run: 6405  
Number of cycles run: 5217  
Number of cycles run: 26576  
Number of cycles run: 9666  
Number of cycles run: 7908  
Number of cycles run: 6805  
Number of cycles run: 21820  
Number of cycles run: 8010  
Number of cycles run: 6864  
Number of cycles run: 23373  
Number of cycles run: 5774  
Number of cycles run: 6839  
Number of cycles run: 5312  
Number of cycles run: 50000  
Number of cycles run: 6421  
Number of cycles run: 9286  
Number of cycles run: 5711  
Number of cycles run: 6447  
Number of cycles run: 6794  
Number of cycles run: 7136  
Number of cycles run: 6406  
Number of cycles run: 6759  
Number of cycles run: 27109  
Number of cycles run: 8642  
Number of cycles run: 8547  
Number of cycles run: 7216  
Number of cycles run: 6712  
Number of cycles run: 8081  
Number of cycles run: 7114  
Number of cycles run: 7860  
Number of cycles run: 7004  
Number of cycles run: 8071  
Number of cycles run: 7649  
Number of cycles run: 6666  
Number of cycles run: 8151  
Number of cycles run: 7906  
Number of cycles run: 5577  
Number of cycles run: 16954  
Number of cycles run: 9426  
Number of cycles run: 7539  
Number of cycles run: 8861  
Number of cycles run: 50000  
Number of cycles run: 7203  
Number of cycles run: 6352  
Number of cycles run: 50000  
Number of cycles run: 7501  
Number of cycles run: 8821  
Number of cycles run: 7169  
Number of cycles run: 6419  
Number of cycles run: 7904  
Number of cycles run: 11788  
Number of cycles run: 6532  
Number of cycles run: 9918  
Number of cycles run: 7707  
Number of cycles run: 6896  
Number of cycles run: 5883  
Number of cycles run: 7793  
Number of cycles run: 18343  
Number of cycles run: 6495  
Number of cycles run: 6564  
Number of cycles run: 6261  
Number of cycles run: 8935  
Number of cycles run: 6896  
Number of cycles run: 50000  
Number of cycles run: 9246  
Number of cycles run: 5664  
Number of cycles run: 6421  
Number of cycles run: 8208  
Number of cycles run: 6524  
Number of cycles run: 7803  
Number of cycles run: 6161  
Number of cycles run: 6921  
Number of cycles run: 5584  
Number of cycles run: 8806  
Number of cycles run: 6318  
Number of cycles run: 50000  
Number of cycles run: 16661  
Number of cycles run: 5324  
Number of cycles run: 8891  
Av cycles for selfish strength 2.5 is 10849  
standard diviation is 9948.700101251745  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 6134  
Number of cycles run: 6804  
Number of cycles run: 7009  
Number of cycles run: 50000  
Number of cycles run: 9024  
Number of cycles run: 6358  
Number of cycles run: 9305  
Number of cycles run: 4930  
Number of cycles run: 6231  
Number of cycles run: 6760  
Number of cycles run: 7879  
Number of cycles run: 6803  
Number of cycles run: 8226  
Number of cycles run: 10020  
Number of cycles run: 6655  
Number of cycles run: 6391  
Number of cycles run: 7094  
Number of cycles run: 6705  
Number of cycles run: 7479  
Number of cycles run: 9991  
Number of cycles run: 9990  
Number of cycles run: 7725  
Number of cycles run: 50000  
Number of cycles run: 7118  
Number of cycles run: 11393  
Number of cycles run: 10748  
Number of cycles run: 10195  
Number of cycles run: 10098  
Number of cycles run: 5981  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6089  
Number of cycles run: 28989  
Number of cycles run: 7526  
Number of cycles run: 8614  
Number of cycles run: 7724  
Number of cycles run: 6488  
Number of cycles run: 50000  
Number of cycles run: 8240  
Number of cycles run: 11669  
Number of cycles run: 7476  
Number of cycles run: 5257  
Number of cycles run: 50000  
Number of cycles run: 8116  
Number of cycles run: 17501  
Number of cycles run: 11043  
Number of cycles run: 7962  
Number of cycles run: 8459  
Number of cycles run: 8506  
Number of cycles run: 7087  
Number of cycles run: 50000  
Number of cycles run: 5870  
Number of cycles run: 6237  
Number of cycles run: 9495  
Number of cycles run: 6422  
Number of cycles run: 24980  
Number of cycles run: 6059  
Number of cycles run: 6772  
Number of cycles run: 6233  
Number of cycles run: 37127

Number of cycles run: 8313  
Number of cycles run: 8269  
Number of cycles run: 7232  
Number of cycles run: 45770  
Number of cycles run: 7881  
Number of cycles run: 7109  
Number of cycles run: 6611  
Number of cycles run: 6983  
Number of cycles run: 7518  
Number of cycles run: 7883  
Number of cycles run: 4664  
Number of cycles run: 9052  
Number of cycles run: 7558  
Number of cycles run: 11045  
Number of cycles run: 22491  
Number of cycles run: 6861  
Number of cycles run: 7170  
Number of cycles run: 6068  
Number of cycles run: 15035  
Number of cycles run: 7021  
Number of cycles run: 9303  
Number of cycles run: 11142  
Number of cycles run: 50000  
Number of cycles run: 9083  
Number of cycles run: 15450  
Number of cycles run: 10714  
Number of cycles run: 10803  
Number of cycles run: 5767  
Number of cycles run: 6904  
Number of cycles run: 8631  
Number of cycles run: 6492  
Number of cycles run: 7747  
Number of cycles run: 8569  
Number of cycles run: 8327  
Number of cycles run: 6637  
Number of cycles run: 8456  
Number of cycles run: 6595  
Number of cycles run: 15993  
Number of cycles run: 8255  
Number of cycles run: 6591  
Av cycles for selfish strength 2.5 is 12709  
standard diviation is 12545.63161125228  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 5551  
Number of cycles run: 9879  
Number of cycles run: 7967  
Number of cycles run: 6514  
Number of cycles run: 6855  
Number of cycles run: 6106  
Number of cycles run: 9992  
Number of cycles run: 6990  
Number of cycles run: 6102  
Number of cycles run: 8644  
Number of cycles run: 7743  
Number of cycles run: 50000  
Number of cycles run: 28846  
Number of cycles run: 50000  
Number of cycles run: 7394  
Number of cycles run: 8017  
Number of cycles run: 7036  
Number of cycles run: 5764  
Number of cycles run: 47424  
Number of cycles run: 15128  
Number of cycles run: 6311  
Number of cycles run: 7128  
Number of cycles run: 6502  
Number of cycles run: 16937  
Number of cycles run: 17148  
Number of cycles run: 6699  
Number of cycles run: 28855  
Number of cycles run: 7141  
Number of cycles run: 7720  
Number of cycles run: 8153  
Number of cycles run: 8153  
Number of cycles run: 6353  
Number of cycles run: 8989  
Number of cycles run: 39151  
Number of cycles run: 6910  
Number of cycles run: 43401  
Number of cycles run: 7541  
Number of cycles run: 6238  
Number of cycles run: 7000  
Number of cycles run: 9840  
Number of cycles run: 6591  
Number of cycles run: 10775  
Number of cycles run: 50000  
Number of cycles run: 6710  
Number of cycles run: 7429  
Number of cycles run: 8586  
Number of cycles run: 50000  
Number of cycles run: 22684  
Number of cycles run: 6235  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8410  
Number of cycles run: 50000  
Number of cycles run: 10828  
Number of cycles run: 7111  
Number of cycles run: 6072  
Number of cycles run: 50000  
Number of cycles run: 8361  
Number of cycles run: 7926  
Number of cycles run: 8187  
Number of cycles run: 8457  
Number of cycles run: 38656  
Number of cycles run: 6071  
Number of cycles run: 50000  
Number of cycles run: 28529  
Number of cycles run: 50000  
Number of cycles run: 9927  
Number of cycles run: 7615  
Number of cycles run: 6551  
Number of cycles run: 7299  
Number of cycles run: 5730  
Number of cycles run: 11575  
Number of cycles run: 7707  
Number of cycles run: 7173  
Number of cycles run: 6611  
Number of cycles run: 8665  
Number of cycles run: 12973  
Number of cycles run: 8033  
Number of cycles run: 6623  
Number of cycles run: 50000  
Number of cycles run: 8980  
Number of cycles run: 5219  
Number of cycles run: 7478  
Number of cycles run: 7095  
Number of cycles run: 6601  
Number of cycles run: 6422  
Number of cycles run: 6788  
Number of cycles run: 7152  
Number of cycles run: 8819  
Number of cycles run: 5644  
Number of cycles run: 7003  
Number of cycles run: 5834  
Number of cycles run: 8399  
Number of cycles run: 6839  
Number of cycles run: 7255  
Number of cycles run: 5685  
Number of cycles run: 6334  
Number of cycles run: 12485  
Number of cycles run: 8128  
Number of cycles run: 8154  
Av cycles for selfish strength 2.5 is 14685  
standard diviation is 14761.027441259506

Testing average cycles for selfish strength 2.5  
Number of cycles run: 6472  
Number of cycles run: 7751  
Number of cycles run: 7301  
Number of cycles run: 21446  
Number of cycles run: 15256  
Number of cycles run: 8297  
Number of cycles run: 4688  
Number of cycles run: 6572  
Number of cycles run: 6900  
Number of cycles run: 33307  
Number of cycles run: 14324  
Number of cycles run: 7055  
Number of cycles run: 7768  
Number of cycles run: 38976  
Number of cycles run: 14157  
Number of cycles run: 8669  
Number of cycles run: 6916  
Number of cycles run: 7601  
Number of cycles run: 9190  
Number of cycles run: 8687  
Number of cycles run: 11313  
Number of cycles run: 8526  
Number of cycles run: 6976  
Number of cycles run: 5298  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7628  
Number of cycles run: 50000  
Number of cycles run: 8109  
Number of cycles run: 50000  
Number of cycles run: 6977  
Number of cycles run: 7796  
Number of cycles run: 6998  
Number of cycles run: 14572  
Number of cycles run: 26661  
Number of cycles run: 42230  
Number of cycles run: 6969  
Number of cycles run: 6871  
Number of cycles run: 50000  
Number of cycles run: 7922  
Number of cycles run: 5862  
Number of cycles run: 7851  
Number of cycles run: 6709  
Number of cycles run: 6161  
Number of cycles run: 9309  
Number of cycles run: 8251  
Number of cycles run: 6058  
Number of cycles run: 9278  
Number of cycles run: 8163  
Number of cycles run: 7778  
Number of cycles run: 5396  
Number of cycles run: 6752  
Number of cycles run: 7779  
Number of cycles run: 6739  
Number of cycles run: 7581  
Number of cycles run: 9447  
Number of cycles run: 5449  
Number of cycles run: 7322  
Number of cycles run: 7396  
Number of cycles run: 7268  
Number of cycles run: 5080  
Number of cycles run: 8933  
Number of cycles run: 6506  
Number of cycles run: 7525  
Number of cycles run: 6636  
Number of cycles run: 8022  
Number of cycles run: 50000  
Number of cycles run: 7305  
Number of cycles run: 15984  
Number of cycles run: 22658  
Number of cycles run: 7842  
Number of cycles run: 31655  
Number of cycles run: 25424  
Number of cycles run: 5380  
Number of cycles run: 6057  
Number of cycles run: 6346  
Number of cycles run: 6871  
Number of cycles run: 45436  
Number of cycles run: 7160  
Number of cycles run: 5569  
Number of cycles run: 6840  
Number of cycles run: 50000  
Number of cycles run: 7248  
Number of cycles run: 10118  
Number of cycles run: 7820  
Number of cycles run: 7485  
Number of cycles run: 6237  
Number of cycles run: 7421  
Number of cycles run: 5674  
Number of cycles run: 7474  
Number of cycles run: 6696  
Number of cycles run: 5988  
Number of cycles run: 9678  
Number of cycles run: 50000  
Number of cycles run: 7168  
Number of cycles run: 11691  
Number of cycles run: 7666  
Number of cycles run: 8712  
Number of cycles run: 6487  
Number of cycles run: 11942  
Av cycles for selfish strength 2.5 is 13414  
standard diviation is 13247.248741828573  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 6883  
Number of cycles run: 9458  
Number of cycles run: 50000  
Number of cycles run: 8591  
Number of cycles run: 50000  
Number of cycles run: 9603  
Number of cycles run: 16091  
Number of cycles run: 8822  
Number of cycles run: 7778  
Number of cycles run: 10749  
Number of cycles run: 8079  
Number of cycles run: 6844  
Number of cycles run: 7164  
Number of cycles run: 5781  
Number of cycles run: 6124  
Number of cycles run: 6047  
Number of cycles run: 10272  
Number of cycles run: 7613  
Number of cycles run: 8174  
Number of cycles run: 8558  
Number of cycles run: 8262  
Number of cycles run: 9060  
Number of cycles run: 8328  
Number of cycles run: 20194  
Number of cycles run: 6310  
Number of cycles run: 7721  
Number of cycles run: 8143  
Number of cycles run: 7171  
Number of cycles run: 6318  
Number of cycles run: 8517  
Number of cycles run: 9207  
Number of cycles run: 12181  
Number of cycles run: 6761  
Number of cycles run: 8510  
Number of cycles run: 13647  
Number of cycles run: 9136  
Number of cycles run: 9131  
Number of cycles run: 4989  
Number of cycles run: 6630  
Number of cycles run: 9086  
Number of cycles run: 7809  
Number of cycles run: 32857  
Number of cycles run: 6285  
Number of cycles run: 50000  
Number of cycles run: 9872  
Number of cycles run: 6043  
Number of cycles run: 9961  
Number of cycles run: 6756  
Number of cycles run: 8244  
Number of cycles run: 9288  
Number of cycles run: 10497  
Number of cycles run: 6848  
Number of cycles run: 12062  
Number of cycles run: 6927  
Number of cycles run: 50000  
Number of cycles run: 15414  
Number of cycles run: 6644  
Number of cycles run: 5629  
Number of cycles run: 5860  
Number of cycles run: 7626  
Number of cycles run: 9631  
Number of cycles run: 7394  
Number of cycles run: 10402  
Number of cycles run: 11837  
Number of cycles run: 7906  
Number of cycles run: 6230  
Number of cycles run: 7460  
Number of cycles run: 23581  
Number of cycles run: 22078  
Number of cycles run: 7146  
Number of cycles run: 30162  
Number of cycles run: 8030  
Number of cycles run: 6294  
Number of cycles run: 13480  
Number of cycles run: 8343  
Number of cycles run: 22470  
Number of cycles run: 7458  
Number of cycles run: 7718  
Number of cycles run: 12966  
Number of cycles run: 7931  
Number of cycles run: 7001  
Number of cycles run: 42180  
Number of cycles run: 6280  
Number of cycles run: 6745  
Number of cycles run: 9823  
Number of cycles run: 7612  
Number of cycles run: 7055  
Number of cycles run: 16366  
Number of cycles run: 6517  
Number of cycles run: 6538  
Number of cycles run: 42597  
Number of cycles run: 8309  
Number of cycles run: 7691  
Number of cycles run: 7018  
Number of cycles run: 6815  
Number of cycles run: 8291  
Number of cycles run: 50000  
Number of cycles run: 7551  
Number of cycles run: 9237  
Number of cycles run: 6659  
Av cycles for selfish strength 2.5 is 12153  
standard diviation is 10931.085217184684  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 18252  
Number of cycles run: 7077  
Number of cycles run: 16489  
Number of cycles run: 9990  
Number of cycles run: 7614  
Number of cycles run: 7281  
Number of cycles run: 5684  
Number of cycles run: 6440  
Number of cycles run: 47229  
Number of cycles run: 7946  
Number of cycles run: 7651  
Number of cycles run: 7871  
Number of cycles run: 7964  
Number of cycles run: 6979  
Number of cycles run: 6483  
Number of cycles run: 6191  
Number of cycles run: 9438  
Number of cycles run: 7098  
Number of cycles run: 7846  
Number of cycles run: 5716  
Number of cycles run: 6465  
Number of cycles run: 7113  
Number of cycles run: 7498  
Number of cycles run: 8253  
Number of cycles run: 50000  
Number of cycles run: 8901  
Number of cycles run: 9764  
Number of cycles run: 6084  
Number of cycles run: 6303  
Number of cycles run: 43049  
Number of cycles run: 8888  
Number of cycles run: 5706  
Number of cycles run: 6268  
Number of cycles run: 6698  
Number of cycles run: 20911  
Number of cycles run: 50000  
Number of cycles run: 7619  
Number of cycles run: 5886  
Number of cycles run: 6821  
Number of cycles run: 7316  
Number of cycles run: 6406  
Number of cycles run: 7260  
Number of cycles run: 6100  
Number of cycles run: 7556  
Number of cycles run: 50000  
Number of cycles run: 8127  
Number of cycles run: 7718  
Number of cycles run: 33969  
Number of cycles run: 7096  
Number of cycles run: 7048  
Number of cycles run: 50000  
Number of cycles run: 6442  
Number of cycles run: 6493  
Number of cycles run: 11513  
Number of cycles run: 7533  
Number of cycles run: 6260  
Number of cycles run: 14793  
Number of cycles run: 50000  
Number of cycles run: 6892  
Number of cycles run: 9427  
Number of cycles run: 13983  
Number of cycles run: 7686  
Number of cycles run: 7967  
Number of cycles run: 10376  
Number of cycles run: 12123  
Number of cycles run: 5541  
Number of cycles run: 50000  
Number of cycles run: 6906  
Number of cycles run: 7020  
Number of cycles run: 6380  
Number of cycles run: 36106  
Number of cycles run: 20555  
Number of cycles run: 6836  
Number of cycles run: 6916  
Number of cycles run: 7132  
Number of cycles run: 6972  
Number of cycles run: 8275  
Number of cycles run: 10292  
Number of cycles run: 8838  
Number of cycles run: 8559  
Number of cycles run: 14984  
Number of cycles run: 9332  
Number of cycles run: 6551  
Number of cycles run: 21020  
Number of cycles run: 6744  
Number of cycles run: 14407  
Number of cycles run: 7857

Number of cycles run: 11712  
Number of cycles run: 8296  
Number of cycles run: 6728  
Number of cycles run: 5715  
Number of cycles run: 7374  
Number of cycles run: 50000  
Number of cycles run: 6147  
Number of cycles run: 7298  
Number of cycles run: 7158  
Number of cycles run: 27991  
Number of cycles run: 9445  
Av cycles for selfish strength 2.5 is 13746  
standard diviation is 13565.0855386097  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7714  
Number of cycles run: 6087  
Number of cycles run: 6814  
Number of cycles run: 8216  
Number of cycles run: 13476  
Number of cycles run: 6849  
Number of cycles run: 10091  
Number of cycles run: 10050  
Number of cycles run: 6527  
Number of cycles run: 6742  
Number of cycles run: 6871  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 34432  
Number of cycles run: 28494  
Number of cycles run: 19778  
Number of cycles run: 7113  
Number of cycles run: 6372  
Number of cycles run: 8533  
Number of cycles run: 19331  
Number of cycles run: 6748  
Number of cycles run: 8993  
Number of cycles run: 5515  
Number of cycles run: 15862  
Number of cycles run: 7154  
Number of cycles run: 6036  
Number of cycles run: 6228  
Number of cycles run: 7123  
Number of cycles run: 27104  
Number of cycles run: 7738  
Number of cycles run: 7406  
Number of cycles run: 50000  
Number of cycles run: 6153  
Number of cycles run: 8437  
Number of cycles run: 13131  
Number of cycles run: 29456  
Number of cycles run: 35688  
Number of cycles run: 30012  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6057  
Number of cycles run: 13555  
Number of cycles run: 10802  
Number of cycles run: 6490  
Number of cycles run: 9925  
Number of cycles run: 7023  
Number of cycles run: 7405  
Number of cycles run: 7176  
Number of cycles run: 14299  
Number of cycles run: 21552  
Number of cycles run: 7008  
Number of cycles run: 7194  
Number of cycles run: 6449  
Number of cycles run: 8585  
Number of cycles run: 16665  
Number of cycles run: 11526  
Number of cycles run: 50000  
Number of cycles run: 5843  
Number of cycles run: 9382  
Number of cycles run: 7945  
Number of cycles run: 7574  
Number of cycles run: 10823  
Number of cycles run: 9345  
Number of cycles run: 9252  
Number of cycles run: 5649  
Number of cycles run: 8393  
Number of cycles run: 6022  
Number of cycles run: 50000  
Number of cycles run: 8053  
Number of cycles run: 6409  
Number of cycles run: 8029  
Number of cycles run: 8770  
Number of cycles run: 5993  
Number of cycles run: 7113  
Number of cycles run: 7416  
Number of cycles run: 6003  
Number of cycles run: 7142  
Number of cycles run: 6163  
Number of cycles run: 11732  
Number of cycles run: 11659  
Number of cycles run: 7307  
Number of cycles run: 8642  
Number of cycles run: 7293  
Number of cycles run: 6574  
Number of cycles run: 6489  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7450  
Number of cycles run: 7063  
Number of cycles run: 6552  
Number of cycles run: 7318  
Number of cycles run: 10834  
Number of cycles run: 14693  
Number of cycles run: 5327  
Number of cycles run: 12157  
Number of cycles run: 6980  
Number of cycles run: 5727  
Number of cycles run: 16254  
Number of cycles run: 7658  
Number of cycles run: 50000  
Av cycles for selfish strength 2.5 is 14230  
standard diviation is 13477.33769805349  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 6820  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5993  
Number of cycles run: 6630  
Number of cycles run: 9085  
Number of cycles run: 7007  
Number of cycles run: 22952  
Number of cycles run: 11139  
Number of cycles run: 5193  
Number of cycles run: 8236  
Number of cycles run: 16953  
Number of cycles run: 8011  
Number of cycles run: 14033  
Number of cycles run: 7227  
Number of cycles run: 6557  
Number of cycles run: 7776  
Number of cycles run: 10875  
Number of cycles run: 11107  
Number of cycles run: 6559  
Number of cycles run: 6672  
Number of cycles run: 7975  
Number of cycles run: 9030  
Number of cycles run: 33736  
Number of cycles run: 5860  
Number of cycles run: 50000  
Number of cycles run: 6757  
Number of cycles run: 5843  
Number of cycles run: 6985  
Number of cycles run: 6692  
Number of cycles run: 7641  
Number of cycles run: 8271  
Number of cycles run: 7979  
Number of cycles run: 8125  
Number of cycles run: 7293  
Number of cycles run: 50000  
Number of cycles run: 9001  
Number of cycles run: 6621  
Number of cycles run: 13132  
Number of cycles run: 39967  
Number of cycles run: 37502  
Number of cycles run: 6585  
Number of cycles run: 7818  
Number of cycles run: 8215  
Number of cycles run: 15626  
Number of cycles run: 7178  
Number of cycles run: 8123  
Number of cycles run: 26864  
Number of cycles run: 14922  
Number of cycles run: 9712  
Number of cycles run: 7601  
Number of cycles run: 10866  
Number of cycles run: 6032  
Number of cycles run: 26416  
Number of cycles run: 39499  
Number of cycles run: 5381  
Number of cycles run: 5290  
Number of cycles run: 8179  
Number of cycles run: 7552  
Number of cycles run: 7728  
Number of cycles run: 50000  
Number of cycles run: 20317  
Number of cycles run: 6473  
Number of cycles run: 9597  
Number of cycles run: 12212  
Number of cycles run: 6479  
Number of cycles run: 6597  
Number of cycles run: 6387  
Number of cycles run: 6476  
Number of cycles run: 6080  
Number of cycles run: 7349  
Number of cycles run: 7453  
Number of cycles run: 6800  
Number of cycles run: 7448  
Number of cycles run: 8647  
Number of cycles run: 6583  
Number of cycles run: 7421  
Number of cycles run: 13480  
Number of cycles run: 5734  
Number of cycles run: 22267  
Number of cycles run: 16275  
Number of cycles run: 15308  
Number of cycles run: 7732  
Number of cycles run: 7553  
Number of cycles run: 7005  
Number of cycles run: 7691  
Number of cycles run: 15010  
Number of cycles run: 29108  
Number of cycles run: 7016  
Number of cycles run: 7210  
Number of cycles run: 6081  
Number of cycles run: 6180  
Number of cycles run: 7698  
Number of cycles run: 5770  
Number of cycles run: 7732  
Number of cycles run: 7899  
Number of cycles run: 7177  
Number of cycles run: 7927  
Number of cycles run: 17553  
Number of cycles run: 8643  
Av cycles for selfish strength 2.5 is 12631  
standard diviation is 11302.292956330013  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 7551  
Number of cycles run: 7419  
Number of cycles run: 13841  
Number of cycles run: 6615  
Number of cycles run: 7580  
Number of cycles run: 11220  
Number of cycles run: 7507  
Number of cycles run: 6320  
Number of cycles run: 29811  
Number of cycles run: 6574  
Number of cycles run: 7128  
Number of cycles run: 9879  
Number of cycles run: 5515  
Number of cycles run: 8004  
Number of cycles run: 6853  
Number of cycles run: 9884  
Number of cycles run: 43308  
Number of cycles run: 7537  
Number of cycles run: 5400  
Number of cycles run: 9945  
Number of cycles run: 8617  
Number of cycles run: 8803  
Number of cycles run: 6320  
Number of cycles run: 6597  
Number of cycles run: 6645  
Number of cycles run: 6978  
Number of cycles run: 8777  
Number of cycles run: 6675  
Number of cycles run: 5761  
Number of cycles run: 5652  
Number of cycles run: 7783  
Number of cycles run: 50000  
Number of cycles run: 12793  
Number of cycles run: 6691  
Number of cycles run: 8818  
Number of cycles run: 7450  
Number of cycles run: 5604  
Number of cycles run: 8900  
Number of cycles run: 50000  
Number of cycles run: 5349  
Number of cycles run: 6022  
Number of cycles run: 7944  
Number of cycles run: 9465  
Number of cycles run: 8368  
Number of cycles run: 8132  
Number of cycles run: 26543  
Number of cycles run: 16980  
Number of cycles run: 6749  
Number of cycles run: 6465  
Number of cycles run: 9346  
Number of cycles run: 26289  
Number of cycles run: 50000  
Number of cycles run: 8410  
Number of cycles run: 10483  
Number of cycles run: 35476  
Number of cycles run: 5355  
Number of cycles run: 5046  
Number of cycles run: 10218  
Number of cycles run: 7257  
Number of cycles run: 7593  
Number of cycles run: 28858  
Number of cycles run: 6070  
Number of cycles run: 6151  
Number of cycles run: 7393  
Number of cycles run: 6601  
Number of cycles run: 36322  
Number of cycles run: 8940  
Number of cycles run: 6589  
Number of cycles run: 8667  
Number of cycles run: 7048  
Number of cycles run: 6378  
Number of cycles run: 7416  
Number of cycles run: 5862  
Number of cycles run: 13417

Number of cycles run: 8516  
Number of cycles run: 5888  
Number of cycles run: 7634  
Number of cycles run: 10998  
Number of cycles run: 5596  
Number of cycles run: 5981  
Number of cycles run: 12121  
Number of cycles run: 5043  
Number of cycles run: 50000  
Number of cycles run: 5551  
Number of cycles run: 7353  
Number of cycles run: 6778  
Number of cycles run: 6728  
Number of cycles run: 5168  
Number of cycles run: 6172  
Number of cycles run: 8983  
Number of cycles run: 10365  
Number of cycles run: 7995  
Number of cycles run: 6301  
Number of cycles run: 6168  
Number of cycles run: 7131  
Number of cycles run: 6364  
Number of cycles run: 6924  
Number of cycles run: 7132  
Number of cycles run: 6900  
Number of cycles run: 7186  
Av cycles for selfish strength 2.5 is 11109  
standard diviation is 10484.431894124033  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 5651  
Number of cycles run: 8372  
Number of cycles run: 8237  
Number of cycles run: 7430  
Number of cycles run: 5071  
Number of cycles run: 6550  
Number of cycles run: 31976  
Number of cycles run: 9309  
Number of cycles run: 8106  
Number of cycles run: 7455  
Number of cycles run: 4716  
Number of cycles run: 10972  
Number of cycles run: 37752  
Number of cycles run: 50000  
Number of cycles run: 7930  
Number of cycles run: 6179  
Number of cycles run: 7996  
Number of cycles run: 6748  
Number of cycles run: 11609  
Number of cycles run: 31334  
Number of cycles run: 14238  
Number of cycles run: 50000  
Number of cycles run: 9143  
Number of cycles run: 10011  
Number of cycles run: 7560  
Number of cycles run: 6564  
Number of cycles run: 7345  
Number of cycles run: 6942  
Number of cycles run: 7871  
Number of cycles run: 9836  
Number of cycles run: 7554  
Number of cycles run: 5059  
Number of cycles run: 50000  
Number of cycles run: 6269  
Number of cycles run: 8385  
Number of cycles run: 50000  
Number of cycles run: 6728  
Number of cycles run: 16232  
Number of cycles run: 6748  
Number of cycles run: 8836  
Number of cycles run: 6498  
Number of cycles run: 7819  
Number of cycles run: 7768  
Number of cycles run: 8319  
Number of cycles run: 50000  
Number of cycles run: 15972  
Number of cycles run: 8967  
Number of cycles run: 5565  
Number of cycles run: 6814  
Number of cycles run: 7906  
Number of cycles run: 6402  
Number of cycles run: 6808  
Number of cycles run: 42695  
Number of cycles run: 6046  
Number of cycles run: 11268  
Number of cycles run: 9383  
Number of cycles run: 9037  
Number of cycles run: 50000  
Number of cycles run: 8612  
Number of cycles run: 26156  
Number of cycles run: 7909  
Number of cycles run: 10608  
Number of cycles run: 8935  
Number of cycles run: 8175  
Number of cycles run: 14836  
Number of cycles run: 8758  
Number of cycles run: 9726  
Number of cycles run: 18092  
Number of cycles run: 6915  
Number of cycles run: 6439  
Number of cycles run: 6112  
Number of cycles run: 50000  
Number of cycles run: 6616  
Number of cycles run: 8778  
Number of cycles run: 7401  
Number of cycles run: 50000  
Number of cycles run: 8529  
Number of cycles run: 6256  
Number of cycles run: 7615  
Number of cycles run: 6519  
Number of cycles run: 10916  
Number of cycles run: 8207  
Number of cycles run: 8266  
Number of cycles run: 6783  
Number of cycles run: 8378  
Number of cycles run: 6735  
Number of cycles run: 7182  
Number of cycles run: 7836  
Number of cycles run: 7566  
Number of cycles run: 13044  
Number of cycles run: 8344  
Number of cycles run: 8194  
Number of cycles run: 6892  
Number of cycles run: 6255  
Number of cycles run: 8871  
Number of cycles run: 10660  
Number of cycles run: 6979  
Number of cycles run: 50000  
Number of cycles run: 7168  
Number of cycles run: 10759  
Av cycles for selfish strength 2.5 is 13380  
standard diviation is 13120.361060299607  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 50000  
Number of cycles run: 5347  
Number of cycles run: 6175  
Number of cycles run: 8661  
Number of cycles run: 7045  
Number of cycles run: 10054  
Number of cycles run: 17384  
Number of cycles run: 6503  
Number of cycles run: 6463  
Number of cycles run: 6713  
Number of cycles run: 7752  
Number of cycles run: 15333  
Number of cycles run: 6268  
Number of cycles run: 11737  
Number of cycles run: 8277  
Number of cycles run: 6216  
Number of cycles run: 50000  
Number of cycles run: 7060  
Number of cycles run: 5531  
Number of cycles run: 7704  
Number of cycles run: 6476  
Number of cycles run: 8821  
Number of cycles run: 8732  
Number of cycles run: 7802  
Number of cycles run: 6001  
Number of cycles run: 7098  
Number of cycles run: 7859  
Number of cycles run: 26722  
Number of cycles run: 15926  
Number of cycles run: 13349  
Number of cycles run: 6166  
Number of cycles run: 39607  
Number of cycles run: 50000  
Number of cycles run: 7388  
Number of cycles run: 18631  
Number of cycles run: 38609  
Number of cycles run: 20890  
Number of cycles run: 7184  
Number of cycles run: 7132  
Number of cycles run: 7640  
Number of cycles run: 6487  
Number of cycles run: 8629  
Number of cycles run: 6359  
Number of cycles run: 6745  
Number of cycles run: 9208  
Number of cycles run: 24913  
Number of cycles run: 9690  
Number of cycles run: 16718  
Number of cycles run: 20147  
Number of cycles run: 23972  
Number of cycles run: 6162  
Number of cycles run: 8144  
Number of cycles run: 8951  
Number of cycles run: 7198  
Number of cycles run: 6704  
Number of cycles run: 6107  
Number of cycles run: 16108  
Number of cycles run: 7859  
Number of cycles run: 6998  
Number of cycles run: 7518  
Number of cycles run: 13689  
Number of cycles run: 8793  
Number of cycles run: 6056  
Number of cycles run: 10278  
Number of cycles run: 50000  
Number of cycles run: 9984  
Number of cycles run: 7734  
Number of cycles run: 7526  
Number of cycles run: 8281  
Number of cycles run: 7018  
Number of cycles run: 50000  
Number of cycles run: 8561  
Number of cycles run: 7654  
Number of cycles run: 8518  
Number of cycles run: 6645  
Number of cycles run: 11960  
Number of cycles run: 9089  
Number of cycles run: 16518  
Number of cycles run: 7284  
Number of cycles run: 6087  
Number of cycles run: 8255  
Number of cycles run: 11636  
Number of cycles run: 6430  
Number of cycles run: 7866  
Number of cycles run: 11813  
Number of cycles run: 5829  
Number of cycles run: 50000  
Number of cycles run: 6249  
Number of cycles run: 7009  
Number of cycles run: 6084  
Number of cycles run: 33389  
Number of cycles run: 8382  
Number of cycles run: 6760  
Number of cycles run: 7045  
Number of cycles run: 6816  
Number of cycles run: 11934  
Number of cycles run: 6598  
Number of cycles run: 6282  
Number of cycles run: 7518  
Number of cycles run: 15481  
Av cycles for selfish strength 2.5 is 12699  
standard diviation is 11460.206592986857  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 8122  
Number of cycles run: 9605  
Number of cycles run: 7892  
Number of cycles run: 7589  
Number of cycles run: 7647  
Number of cycles run: 5919  
Number of cycles run: 5927  
Number of cycles run: 8390  
Number of cycles run: 7324  
Number of cycles run: 6913  
Number of cycles run: 5781  
Number of cycles run: 7177  
Number of cycles run: 6713  
Number of cycles run: 7778  
Number of cycles run: 31696  
Number of cycles run: 8246  
Number of cycles run: 6792  
Number of cycles run: 10601  
Number of cycles run: 50000  
Number of cycles run: 8577  
Number of cycles run: 8478  
Number of cycles run: 6596  
Number of cycles run: 20848  
Number of cycles run: 31942  
Number of cycles run: 11870  
Number of cycles run: 50000  
Number of cycles run: 7175  
Number of cycles run: 50000  
Number of cycles run: 13015  
Number of cycles run: 6014  
Number of cycles run: 50000  
Number of cycles run: 8358  
Number of cycles run: 8888  
Number of cycles run: 18148  
Number of cycles run: 7031  
Number of cycles run: 8028  
Number of cycles run: 10989  
Number of cycles run: 8149  
Number of cycles run: 6361  
Number of cycles run: 47941  
Number of cycles run: 6603  
Number of cycles run: 7829  
Number of cycles run: 11310  
Number of cycles run: 15180  
Number of cycles run: 10072  
Number of cycles run: 7428  
Number of cycles run: 5813  
Number of cycles run: 8222  
Number of cycles run: 5951  
Number of cycles run: 10740  
Number of cycles run: 7367  
Number of cycles run: 9601  
Number of cycles run: 8099  
Number of cycles run: 50000  
Number of cycles run: 7408  
Number of cycles run: 44674  
Number of cycles run: 10828  
Number of cycles run: 6738  
Number of cycles run: 6821

Number of cycles run: 8092  
Number of cycles run: 6978  
Number of cycles run: 33267  
Number of cycles run: 9429  
Number of cycles run: 6535  
Number of cycles run: 6663  
Number of cycles run: 20419  
Number of cycles run: 6587  
Number of cycles run: 7287  
Number of cycles run: 5989  
Number of cycles run: 6351  
Number of cycles run: 7387  
Number of cycles run: 6575  
Number of cycles run: 6532  
Number of cycles run: 7528  
Number of cycles run: 50000  
Number of cycles run: 8160  
Number of cycles run: 7503  
Number of cycles run: 50000  
Number of cycles run: 16756  
Number of cycles run: 7483  
Number of cycles run: 7509  
Number of cycles run: 6482  
Number of cycles run: 8697  
Number of cycles run: 7726  
Number of cycles run: 6677  
Number of cycles run: 5251  
Number of cycles run: 6196  
Number of cycles run: 20428  
Number of cycles run: 31235  
Number of cycles run: 34554  
Number of cycles run: 5897  
Number of cycles run: 7344  
Number of cycles run: 8961  
Number of cycles run: 4902  
Number of cycles run: 11206  
Number of cycles run: 7346  
Number of cycles run: 5962  
Number of cycles run: 9774  
Number of cycles run: 17153  
Number of cycles run: 6379  
Av cycles for selfish strength 2.5 is 13444  
standard diviation is 12848.281221308092  
Testing average cycles for selfish strength 2.5  
Number of cycles run: 8491  
Number of cycles run: 7703  
Number of cycles run: 7729  
Number of cycles run: 50000  
Number of cycles run: 8261  
Number of cycles run: 6847  
Number of cycles run: 8959  
Number of cycles run: 6827  
Number of cycles run: 10686  
Number of cycles run: 7812  
Number of cycles run: 5971  
Number of cycles run: 7670  
Number of cycles run: 6867  
Number of cycles run: 6472  
Number of cycles run: 22454  
Number of cycles run: 7885  
Number of cycles run: 6254  
Number of cycles run: 8282  
Number of cycles run: 8555  
Number of cycles run: 5767  
Number of cycles run: 50000  
Number of cycles run: 8313  
Number of cycles run: 8026  
Number of cycles run: 7077  
Number of cycles run: 7689  
Number of cycles run: 50000  
Number of cycles run: 24718  
Number of cycles run: 7832  
Number of cycles run: 6780  
Number of cycles run: 50000  
Number of cycles run: 11070  
Number of cycles run: 7495  
Number of cycles run: 8681  
Number of cycles run: 6561  
Number of cycles run: 9137  
Number of cycles run: 5963  
Number of cycles run: 6523  
Number of cycles run: 7245  
Number of cycles run: 50000  
Number of cycles run: 7041  
Number of cycles run: 12254  
Number of cycles run: 10482  
Number of cycles run: 50000  
Number of cycles run: 8763  
Number of cycles run: 6083  
Number of cycles run: 6107  
Number of cycles run: 9675  
Number of cycles run: 5193  
Number of cycles run: 8878  
Number of cycles run: 5805  
Number of cycles run: 7322  
Number of cycles run: 6456  
Number of cycles run: 42316  
Number of cycles run: 10514  
Number of cycles run: 50000  
Number of cycles run: 7799  
Number of cycles run: 12662  
Number of cycles run: 16021  
Number of cycles run: 5526  
Number of cycles run: 30410  
Number of cycles run: 9928  
Number of cycles run: 7376  
Number of cycles run: 6937  
Number of cycles run: 50000  
Number of cycles run: 7770  
Number of cycles run: 8219  
Number of cycles run: 6951  
Number of cycles run: 18858  
Number of cycles run: 7425  
Number of cycles run: 9462  
Number of cycles run: 5774  
Number of cycles run: 9757  
Number of cycles run: 17399  
Number of cycles run: 10532  
Number of cycles run: 6315  
Number of cycles run: 10551  
Number of cycles run: 17656  
Number of cycles run: 12888  
Number of cycles run: 50000  
Number of cycles run: 8895  
Number of cycles run: 13507  
Number of cycles run: 7961  
Number of cycles run: 8955  
Number of cycles run: 26395  
Number of cycles run: 6350  
Number of cycles run: 6795  
Number of cycles run: 9376  
Number of cycles run: 7304  
Number of cycles run: 6739  
Number of cycles run: 6719  
Number of cycles run: 7299  
Number of cycles run: 50000  
Number of cycles run: 13190  
Number of cycles run: 50000  
Number of cycles run: 6038  
Number of cycles run: 6474  
Number of cycles run: 5818  
Number of cycles run: 7889  
Number of cycles run: 6047  
Number of cycles run: 7620  
Av cycles for selfish strength 2.5 is 14050  
standard diviation is 13813.662006575923