Testing average cycles for selfish strength 0  
Number of cycles run: 5936  
Number of cycles run: 6727  
Number of cycles run: 7550  
Number of cycles run: 42019  
Number of cycles run: 7604  
Number of cycles run: 6631  
Number of cycles run: 20057  
Number of cycles run: 8246  
Number of cycles run: 19601  
Number of cycles run: 11277  
Number of cycles run: 50000  
Number of cycles run: 7044  
Number of cycles run: 10691  
Number of cycles run: 6203  
Number of cycles run: 8199  
Number of cycles run: 10349  
Number of cycles run: 50000  
Number of cycles run: 7615  
Number of cycles run: 6252  
Number of cycles run: 6023  
Number of cycles run: 15227  
Number of cycles run: 7982  
Number of cycles run: 7024  
Number of cycles run: 5788  
Number of cycles run: 6975  
Number of cycles run: 50000  
Number of cycles run: 7019  
Number of cycles run: 7146  
Number of cycles run: 6679  
Number of cycles run: 5590  
Number of cycles run: 10205  
Number of cycles run: 10990  
Number of cycles run: 11432  
Number of cycles run: 5495  
Number of cycles run: 6508  
Number of cycles run: 49525  
Number of cycles run: 26473  
Number of cycles run: 18573  
Number of cycles run: 12993  
Number of cycles run: 6164  
Number of cycles run: 5443  
Number of cycles run: 6668  
Number of cycles run: 6473  
Number of cycles run: 6632  
Number of cycles run: 50000  
Number of cycles run: 6934  
Number of cycles run: 10624  
Number of cycles run: 11740  
Number of cycles run: 50000  
Number of cycles run: 5184  
Number of cycles run: 7956  
Number of cycles run: 10924  
Number of cycles run: 6934  
Number of cycles run: 6828  
Number of cycles run: 16103  
Number of cycles run: 50000  
Number of cycles run: 6045  
Number of cycles run: 20358  
Number of cycles run: 7638  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 17249  
Number of cycles run: 6157  
Number of cycles run: 6556  
Number of cycles run: 11205  
Number of cycles run: 6503  
Number of cycles run: 50000  
Number of cycles run: 13145  
Number of cycles run: 6398  
Number of cycles run: 7048  
Number of cycles run: 33070  
Number of cycles run: 5844  
Number of cycles run: 5983  
Number of cycles run: 29888  
Number of cycles run: 7407  
Number of cycles run: 6403  
Number of cycles run: 5622  
Number of cycles run: 5395  
Number of cycles run: 11417  
Number of cycles run: 9643  
Number of cycles run: 5972  
Number of cycles run: 6164  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8618  
Number of cycles run: 18038  
Number of cycles run: 5374  
Number of cycles run: 9564  
Number of cycles run: 14068  
Number of cycles run: 10628  
Number of cycles run: 43132  
Number of cycles run: 8671  
Number of cycles run: 6945  
Number of cycles run: 5750  
Number of cycles run: 5472  
Number of cycles run: 6851  
Number of cycles run: 6574  
Number of cycles run: 6871  
Number of cycles run: 23314  
Number of cycles run: 5368  
Av cycles for selfish strength 0 is 15106  
standard diviation is 14686.339101737101  
Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 5419  
Number of cycles run: 6088  
Number of cycles run: 5116  
Number of cycles run: 5196  
Number of cycles run: 14563  
Number of cycles run: 5602  
Number of cycles run: 15067  
Number of cycles run: 7399  
Number of cycles run: 17668  
Number of cycles run: 13023  
Number of cycles run: 8689  
Number of cycles run: 5003  
Number of cycles run: 6616  
Number of cycles run: 7427  
Number of cycles run: 6030  
Number of cycles run: 6829  
Number of cycles run: 8830  
Number of cycles run: 50000  
Number of cycles run: 6328  
Number of cycles run: 7832  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7004  
Number of cycles run: 6236  
Number of cycles run: 6243  
Number of cycles run: 7192  
Number of cycles run: 7257  
Number of cycles run: 9167  
Number of cycles run: 10052  
Number of cycles run: 8747  
Number of cycles run: 7652  
Number of cycles run: 6578  
Number of cycles run: 11054  
Number of cycles run: 6203  
Number of cycles run: 50000  
Number of cycles run: 7798  
Number of cycles run: 31159  
Number of cycles run: 6482  
Number of cycles run: 8524  
Number of cycles run: 5753  
Number of cycles run: 8950  
Number of cycles run: 6920  
Number of cycles run: 6017  
Number of cycles run: 7613  
Number of cycles run: 5574  
Number of cycles run: 50000  
Number of cycles run: 8277  
Number of cycles run: 5420  
Number of cycles run: 7578  
Number of cycles run: 7672  
Number of cycles run: 9254  
Number of cycles run: 5880  
Number of cycles run: 7516  
Number of cycles run: 6045  
Number of cycles run: 7959  
Number of cycles run: 6720  
Number of cycles run: 7282  
Number of cycles run: 15866  
Number of cycles run: 6669  
Number of cycles run: 50000  
Number of cycles run: 7892  
Number of cycles run: 7824  
Number of cycles run: 50000  
Number of cycles run: 5427  
Number of cycles run: 7112  
Number of cycles run: 5860  
Number of cycles run: 7638  
Number of cycles run: 7856  
Number of cycles run: 6763  
Number of cycles run: 18430  
Number of cycles run: 6068  
Number of cycles run: 13437  
Number of cycles run: 5495  
Number of cycles run: 50000  
Number of cycles run: 8661  
Number of cycles run: 10856  
Number of cycles run: 8890  
Number of cycles run: 5774  
Number of cycles run: 16941  
Number of cycles run: 10201  
Number of cycles run: 7023  
Number of cycles run: 11600  
Number of cycles run: 9449  
Number of cycles run: 7221  
Number of cycles run: 6968  
Number of cycles run: 8038  
Number of cycles run: 13807  
Number of cycles run: 40789  
Number of cycles run: 6882  
Number of cycles run: 8392  
Number of cycles run: 6069  
Number of cycles run: 19958  
Number of cycles run: 50000  
Number of cycles run: 6434  
Number of cycles run: 12904  
Number of cycles run: 6528  
Number of cycles run: 11608  
Number of cycles run: 7075  
Number of cycles run: 5873  
Av cycles for selfish strength 0 is 13067  
standard diviation is 13328.652989671946  
Testing average cycles for selfish strength 0  
Number of cycles run: 6289  
Number of cycles run: 8143  
Number of cycles run: 7795  
Number of cycles run: 6641  
Number of cycles run: 20247  
Number of cycles run: 7311  
Number of cycles run: 11996  
Number of cycles run: 6585  
Number of cycles run: 7007  
Number of cycles run: 5310  
Number of cycles run: 7151  
Number of cycles run: 5389  
Number of cycles run: 12720  
Number of cycles run: 4948  
Number of cycles run: 6382  
Number of cycles run: 9555  
Number of cycles run: 7625  
Number of cycles run: 5294  
Number of cycles run: 50000  
Number of cycles run: 5875  
Number of cycles run: 5896  
Number of cycles run: 7128  
Number of cycles run: 6376  
Number of cycles run: 6789  
Number of cycles run: 6690  
Number of cycles run: 22993  
Number of cycles run: 7010  
Number of cycles run: 6792  
Number of cycles run: 31336  
Number of cycles run: 6558  
Number of cycles run: 8402  
Number of cycles run: 9845  
Number of cycles run: 8258  
Number of cycles run: 6456  
Number of cycles run: 6161  
Number of cycles run: 8138  
Number of cycles run: 12673  
Number of cycles run: 7945  
Number of cycles run: 50000  
Number of cycles run: 9772  
Number of cycles run: 14247  
Number of cycles run: 50000  
Number of cycles run: 5642  
Number of cycles run: 7206  
Number of cycles run: 43310  
Number of cycles run: 18311  
Number of cycles run: 6401  
Number of cycles run: 10314  
Number of cycles run: 9545  
Number of cycles run: 5505  
Number of cycles run: 24758  
Number of cycles run: 7238  
Number of cycles run: 5379  
Number of cycles run: 6345  
Number of cycles run: 4973  
Number of cycles run: 7445  
Number of cycles run: 7011  
Number of cycles run: 7666  
Number of cycles run: 6761  
Number of cycles run: 6940  
Number of cycles run: 7515  
Number of cycles run: 21029  
Number of cycles run: 9120  
Number of cycles run: 9240  
Number of cycles run: 50000  
Number of cycles run: 7081  
Number of cycles run: 8456  
Number of cycles run: 40926  
Number of cycles run: 5534  
Number of cycles run: 6501  
Number of cycles run: 8560  
Number of cycles run: 7614  
Number of cycles run: 12406  
Number of cycles run: 10393  
Number of cycles run: 5075  
Number of cycles run: 6786  
Number of cycles run: 6635  
Number of cycles run: 6417  
Number of cycles run: 6553  
Number of cycles run: 50000  
Number of cycles run: 7522  
Number of cycles run: 7659  
Number of cycles run: 14956  
Number of cycles run: 7941  
Number of cycles run: 5678  
Number of cycles run: 5291  
Number of cycles run: 6325  
Number of cycles run: 19128  
Number of cycles run: 6544

Number of cycles run: 6509  
Number of cycles run: 6255  
Number of cycles run: 6502  
Number of cycles run: 9720  
Number of cycles run: 14593  
Number of cycles run: 6743  
Number of cycles run: 5336  
Number of cycles run: 50000  
Number of cycles run: 7945  
Number of cycles run: 5948  
Number of cycles run: 5898  
Av cycles for selfish strength 0 is 11848  
standard diviation is 11655.4305453542  
Testing average cycles for selfish strength 0  
Number of cycles run: 7850  
Number of cycles run: 6352  
Number of cycles run: 5749  
Number of cycles run: 9187  
Number of cycles run: 5579  
Number of cycles run: 5146  
Number of cycles run: 7049  
Number of cycles run: 8748  
Number of cycles run: 7768  
Number of cycles run: 7432  
Number of cycles run: 8241  
Number of cycles run: 50000  
Number of cycles run: 7757  
Number of cycles run: 15937  
Number of cycles run: 50000  
Number of cycles run: 24636  
Number of cycles run: 11005  
Number of cycles run: 6605  
Number of cycles run: 7729  
Number of cycles run: 17867  
Number of cycles run: 6048  
Number of cycles run: 8172  
Number of cycles run: 12651  
Number of cycles run: 50000  
Number of cycles run: 7305  
Number of cycles run: 6952  
Number of cycles run: 9183  
Number of cycles run: 5869  
Number of cycles run: 6305  
Number of cycles run: 7306  
Number of cycles run: 7285  
Number of cycles run: 6954  
Number of cycles run: 4861  
Number of cycles run: 37416  
Number of cycles run: 6172  
Number of cycles run: 8066  
Number of cycles run: 7759  
Number of cycles run: 6041  
Number of cycles run: 8108  
Number of cycles run: 12042  
Number of cycles run: 6576  
Number of cycles run: 6493  
Number of cycles run: 13153  
Number of cycles run: 9319  
Number of cycles run: 5005  
Number of cycles run: 6540  
Number of cycles run: 6569  
Number of cycles run: 6671  
Number of cycles run: 10162  
Number of cycles run: 9106  
Number of cycles run: 7127  
Number of cycles run: 41346  
Number of cycles run: 11530  
Number of cycles run: 6236  
Number of cycles run: 10702  
Number of cycles run: 50000  
Number of cycles run: 6739  
Number of cycles run: 13025  
Number of cycles run: 5848  
Number of cycles run: 50000  
Number of cycles run: 9925  
Number of cycles run: 50000  
Number of cycles run: 14650  
Number of cycles run: 5976  
Number of cycles run: 5871  
Number of cycles run: 6648  
Number of cycles run: 5936  
Number of cycles run: 19067  
Number of cycles run: 16421  
Number of cycles run: 14912  
Number of cycles run: 6448  
Number of cycles run: 15608  
Number of cycles run: 10326  
Number of cycles run: 6636  
Number of cycles run: 6851  
Number of cycles run: 6439  
Number of cycles run: 8183  
Number of cycles run: 6023  
Number of cycles run: 6927  
Number of cycles run: 33855  
Number of cycles run: 6552  
Number of cycles run: 6487  
Number of cycles run: 10649  
Number of cycles run: 5256  
Number of cycles run: 8241  
Number of cycles run: 7997  
Number of cycles run: 5881  
Number of cycles run: 8041  
Number of cycles run: 6607  
Number of cycles run: 50000  
Number of cycles run: 6152  
Number of cycles run: 6065  
Number of cycles run: 9484  
Number of cycles run: 12216  
Number of cycles run: 6364  
Number of cycles run: 7783  
Number of cycles run: 15627  
Number of cycles run: 6337  
Number of cycles run: 8799  
Number of cycles run: 18968  
Av cycles for selfish strength 0 is 12474  
standard diviation is 12002.491101412863  
Testing average cycles for selfish strength 0  
Number of cycles run: 9827  
Number of cycles run: 6828  
Number of cycles run: 6991  
Number of cycles run: 11351  
Number of cycles run: 10191  
Number of cycles run: 6557  
Number of cycles run: 50000  
Number of cycles run: 7598  
Number of cycles run: 6068  
Number of cycles run: 6152  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9772  
Number of cycles run: 15136  
Number of cycles run: 7787  
Number of cycles run: 5505  
Number of cycles run: 10745  
Number of cycles run: 7076  
Number of cycles run: 16876  
Number of cycles run: 7158  
Number of cycles run: 10003  
Number of cycles run: 6147  
Number of cycles run: 6945  
Number of cycles run: 7816  
Number of cycles run: 7261  
Number of cycles run: 6680  
Number of cycles run: 5819  
Number of cycles run: 7638  
Number of cycles run: 8402  
Number of cycles run: 5291  
Number of cycles run: 5629  
Number of cycles run: 5594  
Number of cycles run: 24854  
Number of cycles run: 5456  
Number of cycles run: 25313  
Number of cycles run: 9751  
Number of cycles run: 5704  
Number of cycles run: 6538  
Number of cycles run: 17743  
Number of cycles run: 8149  
Number of cycles run: 9833  
Number of cycles run: 6369  
Number of cycles run: 5723  
Number of cycles run: 8079  
Number of cycles run: 5879  
Number of cycles run: 5643  
Number of cycles run: 8023  
Number of cycles run: 25079  
Number of cycles run: 5903  
Number of cycles run: 50000  
Number of cycles run: 7588  
Number of cycles run: 11289  
Number of cycles run: 6837  
Number of cycles run: 50000  
Number of cycles run: 34781  
Number of cycles run: 11301  
Number of cycles run: 7899  
Number of cycles run: 6449  
Number of cycles run: 5142  
Number of cycles run: 6508  
Number of cycles run: 50000  
Number of cycles run: 11535  
Number of cycles run: 6426  
Number of cycles run: 50000  
Number of cycles run: 10187  
Number of cycles run: 18362  
Number of cycles run: 6652  
Number of cycles run: 50000  
Number of cycles run: 14558  
Number of cycles run: 6557  
Number of cycles run: 7421  
Number of cycles run: 8083  
Number of cycles run: 5321  
Number of cycles run: 6053  
Number of cycles run: 7223  
Number of cycles run: 13209  
Number of cycles run: 7010  
Number of cycles run: 12470  
Number of cycles run: 7130  
Number of cycles run: 6769  
Number of cycles run: 34136  
Number of cycles run: 7398  
Number of cycles run: 8057  
Number of cycles run: 7097  
Number of cycles run: 6485  
Number of cycles run: 13521  
Number of cycles run: 5719  
Number of cycles run: 9272  
Number of cycles run: 10213  
Number of cycles run: 5470  
Number of cycles run: 25128  
Number of cycles run: 9559  
Number of cycles run: 8060  
Number of cycles run: 7073  
Number of cycles run: 7526  
Number of cycles run: 6197  
Number of cycles run: 50000  
Number of cycles run: 9974  
Number of cycles run: 8743  
Number of cycles run: 8545  
Av cycles for selfish strength 0 is 13198  
standard diviation is 12882.785441621252  
Testing average cycles for selfish strength 0  
Number of cycles run: 6299  
Number of cycles run: 29909  
Number of cycles run: 6192  
Number of cycles run: 8023  
Number of cycles run: 8912  
Number of cycles run: 7347  
Number of cycles run: 7172  
Number of cycles run: 22254  
Number of cycles run: 5626  
Number of cycles run: 13415  
Number of cycles run: 5486  
Number of cycles run: 5355  
Number of cycles run: 6927  
Number of cycles run: 8633  
Number of cycles run: 12959  
Number of cycles run: 7897  
Number of cycles run: 5421  
Number of cycles run: 5841  
Number of cycles run: 9685  
Number of cycles run: 7331  
Number of cycles run: 11031  
Number of cycles run: 50000  
Number of cycles run: 21473  
Number of cycles run: 7563  
Number of cycles run: 5797  
Number of cycles run: 9435  
Number of cycles run: 8394  
Number of cycles run: 6242  
Number of cycles run: 10334  
Number of cycles run: 50000  
Number of cycles run: 17455  
Number of cycles run: 7132  
Number of cycles run: 6497  
Number of cycles run: 5634  
Number of cycles run: 50000  
Number of cycles run: 6055  
Number of cycles run: 7561  
Number of cycles run: 8339  
Number of cycles run: 6344  
Number of cycles run: 13546  
Number of cycles run: 50000  
Number of cycles run: 6752  
Number of cycles run: 10491  
Number of cycles run: 50000  
Number of cycles run: 6575  
Number of cycles run: 7316  
Number of cycles run: 6167  
Number of cycles run: 6782  
Number of cycles run: 8383  
Number of cycles run: 9307  
Number of cycles run: 5356  
Number of cycles run: 10674  
Number of cycles run: 6792  
Number of cycles run: 8702  
Number of cycles run: 50000  
Number of cycles run: 8842  
Number of cycles run: 6295  
Number of cycles run: 10570  
Number of cycles run: 4812  
Number of cycles run: 6265  
Number of cycles run: 6360  
Number of cycles run: 50000  
Number of cycles run: 5994  
Number of cycles run: 16527  
Number of cycles run: 5617  
Number of cycles run: 14074  
Number of cycles run: 6099  
Number of cycles run: 7573  
Number of cycles run: 7598  
Number of cycles run: 11101  
Number of cycles run: 5681  
Number of cycles run: 6045  
Number of cycles run: 6703  
Number of cycles run: 6526  
Number of cycles run: 8091

Number of cycles run: 21875  
Number of cycles run: 8118  
Number of cycles run: 12870  
Number of cycles run: 7412  
Number of cycles run: 7324  
Number of cycles run: 5605  
Number of cycles run: 5841  
Number of cycles run: 8108  
Number of cycles run: 11544  
Number of cycles run: 12645  
Number of cycles run: 7320  
Number of cycles run: 6061  
Number of cycles run: 10286  
Number of cycles run: 6387  
Number of cycles run: 6157  
Number of cycles run: 5257  
Number of cycles run: 30926  
Number of cycles run: 5813  
Number of cycles run: 7802  
Number of cycles run: 13275  
Number of cycles run: 9853  
Number of cycles run: 6949  
Number of cycles run: 6132  
Number of cycles run: 5914  
Number of cycles run: 7006  
Av cycles for selfish strength 0 is 11800  
standard diviation is 11497.5525724373  
Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 5165  
Number of cycles run: 9693  
Number of cycles run: 6871  
Number of cycles run: 25623  
Number of cycles run: 6301  
Number of cycles run: 50000  
Number of cycles run: 8172  
Number of cycles run: 8433  
Number of cycles run: 25908  
Number of cycles run: 13897  
Number of cycles run: 7132  
Number of cycles run: 7041  
Number of cycles run: 5876  
Number of cycles run: 50000  
Number of cycles run: 48052  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7938  
Number of cycles run: 10386  
Number of cycles run: 6394  
Number of cycles run: 37271  
Number of cycles run: 5723  
Number of cycles run: 12819  
Number of cycles run: 7277  
Number of cycles run: 9481  
Number of cycles run: 8094  
Number of cycles run: 5901  
Number of cycles run: 50000  
Number of cycles run: 8432  
Number of cycles run: 5828  
Number of cycles run: 8372  
Number of cycles run: 6869  
Number of cycles run: 6043  
Number of cycles run: 7545  
Number of cycles run: 9403  
Number of cycles run: 6122  
Number of cycles run: 7674  
Number of cycles run: 8377  
Number of cycles run: 5187  
Number of cycles run: 11992  
Number of cycles run: 6623  
Number of cycles run: 10457  
Number of cycles run: 9266  
Number of cycles run: 6833  
Number of cycles run: 11627  
Number of cycles run: 7994  
Number of cycles run: 8353  
Number of cycles run: 11957  
Number of cycles run: 6201  
Number of cycles run: 26411  
Number of cycles run: 6298  
Number of cycles run: 5784  
Number of cycles run: 8133  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6145  
Number of cycles run: 50000  
Number of cycles run: 7105  
Number of cycles run: 5518  
Number of cycles run: 7773  
Number of cycles run: 8171  
Number of cycles run: 6260  
Number of cycles run: 6353  
Number of cycles run: 50000  
Number of cycles run: 5851  
Number of cycles run: 6553  
Number of cycles run: 5940  
Number of cycles run: 5971  
Number of cycles run: 50000  
Number of cycles run: 9078  
Number of cycles run: 5645  
Number of cycles run: 50000  
Number of cycles run: 14118  
Number of cycles run: 7782  
Number of cycles run: 6892  
Number of cycles run: 7943  
Number of cycles run: 5871  
Number of cycles run: 12928  
Number of cycles run: 13888  
Number of cycles run: 10167  
Number of cycles run: 6397  
Number of cycles run: 11522  
Number of cycles run: 8657  
Number of cycles run: 50000  
Number of cycles run: 6313  
Number of cycles run: 50000  
Number of cycles run: 5431  
Number of cycles run: 5802  
Number of cycles run: 6774  
Number of cycles run: 6043  
Number of cycles run: 6437  
Number of cycles run: 10800  
Number of cycles run: 6592  
Number of cycles run: 6750  
Number of cycles run: 18755  
Number of cycles run: 7827  
Number of cycles run: 5906  
Number of cycles run: 11723  
Number of cycles run: 5882  
Av cycles for selfish strength 0 is 15107  
standard diviation is 15439.031548813306  
Testing average cycles for selfish strength 0  
Number of cycles run: 5694  
Number of cycles run: 12880  
Number of cycles run: 9370  
Number of cycles run: 23111  
Number of cycles run: 6766  
Number of cycles run: 5836  
Number of cycles run: 9442  
Number of cycles run: 6083  
Number of cycles run: 9347  
Number of cycles run: 11598  
Number of cycles run: 15769  
Number of cycles run: 6195  
Number of cycles run: 50000  
Number of cycles run: 5837  
Number of cycles run: 12109  
Number of cycles run: 10149  
Number of cycles run: 5804  
Number of cycles run: 6704  
Number of cycles run: 6447  
Number of cycles run: 6684  
Number of cycles run: 9702  
Number of cycles run: 5541  
Number of cycles run: 6915  
Number of cycles run: 20357  
Number of cycles run: 6584  
Number of cycles run: 41691  
Number of cycles run: 50000  
Number of cycles run: 15748  
Number of cycles run: 8940  
Number of cycles run: 6675  
Number of cycles run: 9761  
Number of cycles run: 6398  
Number of cycles run: 7636  
Number of cycles run: 11255  
Number of cycles run: 5788  
Number of cycles run: 6054  
Number of cycles run: 7160  
Number of cycles run: 43211  
Number of cycles run: 50000  
Number of cycles run: 6649  
Number of cycles run: 10016  
Number of cycles run: 45818  
Number of cycles run: 6621  
Number of cycles run: 10222  
Number of cycles run: 6094  
Number of cycles run: 7845  
Number of cycles run: 9605  
Number of cycles run: 6615  
Number of cycles run: 7953  
Number of cycles run: 6126  
Number of cycles run: 7190  
Number of cycles run: 7693  
Number of cycles run: 6916  
Number of cycles run: 11652  
Number of cycles run: 41545  
Number of cycles run: 11772  
Number of cycles run: 5600  
Number of cycles run: 7482  
Number of cycles run: 8704  
Number of cycles run: 50000  
Number of cycles run: 8407  
Number of cycles run: 8230  
Number of cycles run: 6546  
Number of cycles run: 9480  
Number of cycles run: 7222  
Number of cycles run: 6154  
Number of cycles run: 6092  
Number of cycles run: 6773  
Number of cycles run: 15388  
Number of cycles run: 6057  
Number of cycles run: 6243  
Number of cycles run: 50000  
Number of cycles run: 5701  
Number of cycles run: 7489  
Number of cycles run: 8285  
Number of cycles run: 8186  
Number of cycles run: 7748  
Number of cycles run: 7562  
Number of cycles run: 5942  
Number of cycles run: 6122  
Number of cycles run: 5465  
Number of cycles run: 9583  
Number of cycles run: 31198  
Number of cycles run: 8539  
Number of cycles run: 5902  
Number of cycles run: 7465  
Number of cycles run: 6097  
Number of cycles run: 50000  
Number of cycles run: 5278  
Number of cycles run: 8613  
Number of cycles run: 6120  
Number of cycles run: 9628  
Number of cycles run: 7118  
Number of cycles run: 35920  
Number of cycles run: 5819  
Number of cycles run: 6538  
Number of cycles run: 50000  
Number of cycles run: 48662  
Number of cycles run: 12787  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 13917  
standard diviation is 13985.28284917088  
Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 7133  
Number of cycles run: 6109  
Number of cycles run: 6051  
Number of cycles run: 7158  
Number of cycles run: 11888  
Number of cycles run: 5929  
Number of cycles run: 8133  
Number of cycles run: 6269  
Number of cycles run: 7645  
Number of cycles run: 6006  
Number of cycles run: 6079  
Number of cycles run: 33675  
Number of cycles run: 7406  
Number of cycles run: 8067  
Number of cycles run: 6691  
Number of cycles run: 5718  
Number of cycles run: 5601  
Number of cycles run: 6829  
Number of cycles run: 7231  
Number of cycles run: 11056  
Number of cycles run: 6099  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 20820  
Number of cycles run: 9767  
Number of cycles run: 16492  
Number of cycles run: 6266  
Number of cycles run: 12764  
Number of cycles run: 25943  
Number of cycles run: 7171  
Number of cycles run: 12802  
Number of cycles run: 7106  
Number of cycles run: 7259  
Number of cycles run: 6897  
Number of cycles run: 50000  
Number of cycles run: 5330  
Number of cycles run: 5634  
Number of cycles run: 7382  
Number of cycles run: 7654  
Number of cycles run: 50000  
Number of cycles run: 9759  
Number of cycles run: 5859  
Number of cycles run: 6638  
Number of cycles run: 4963  
Number of cycles run: 5550  
Number of cycles run: 50000  
Number of cycles run: 7903  
Number of cycles run: 6302  
Number of cycles run: 50000  
Number of cycles run: 7471  
Number of cycles run: 8563  
Number of cycles run: 13297  
Number of cycles run: 19404  
Number of cycles run: 50000  
Number of cycles run: 6473  
Number of cycles run: 50000  
Number of cycles run: 9348  
Number of cycles run: 50000  
Number of cycles run: 9373  
Number of cycles run: 7779

Number of cycles run: 5977  
Number of cycles run: 11329  
Number of cycles run: 7752  
Number of cycles run: 32876  
Number of cycles run: 10754  
Number of cycles run: 6390  
Number of cycles run: 6713  
Number of cycles run: 8143  
Number of cycles run: 5439  
Number of cycles run: 6905  
Number of cycles run: 8195  
Number of cycles run: 9927  
Number of cycles run: 5721  
Number of cycles run: 8616  
Number of cycles run: 24608  
Number of cycles run: 7126  
Number of cycles run: 8256  
Number of cycles run: 50000  
Number of cycles run: 6774  
Number of cycles run: 11384  
Number of cycles run: 6507  
Number of cycles run: 7857  
Number of cycles run: 6299  
Number of cycles run: 22390  
Number of cycles run: 10894  
Number of cycles run: 7565  
Number of cycles run: 7327  
Number of cycles run: 6546  
Number of cycles run: 7540  
Number of cycles run: 7112  
Number of cycles run: 8116  
Number of cycles run: 6331  
Number of cycles run: 10915  
Number of cycles run: 8624  
Number of cycles run: 7769  
Number of cycles run: 8404  
Number of cycles run: 17934  
Number of cycles run: 7008  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 14227  
standard diviation is 14257.224471962954  
Testing average cycles for selfish strength 0  
Number of cycles run: 6217  
Number of cycles run: 7322  
Number of cycles run: 9072  
Number of cycles run: 8382  
Number of cycles run: 8662  
Number of cycles run: 6852  
Number of cycles run: 6787  
Number of cycles run: 5281  
Number of cycles run: 12886  
Number of cycles run: 12181  
Number of cycles run: 15797  
Number of cycles run: 7154  
Number of cycles run: 6605  
Number of cycles run: 7817  
Number of cycles run: 6198  
Number of cycles run: 5882  
Number of cycles run: 7932  
Number of cycles run: 6559  
Number of cycles run: 6309  
Number of cycles run: 6307  
Number of cycles run: 7012  
Number of cycles run: 5554  
Number of cycles run: 5726  
Number of cycles run: 9841  
Number of cycles run: 15576  
Number of cycles run: 6121  
Number of cycles run: 5764  
Number of cycles run: 9614  
Number of cycles run: 12595  
Number of cycles run: 16857  
Number of cycles run: 9263  
Number of cycles run: 7258  
Number of cycles run: 9401  
Number of cycles run: 8676  
Number of cycles run: 7734  
Number of cycles run: 50000  
Number of cycles run: 6751  
Number of cycles run: 13275  
Number of cycles run: 8209  
Number of cycles run: 11515  
Number of cycles run: 6639  
Number of cycles run: 8752  
Number of cycles run: 50000  
Number of cycles run: 11816  
Number of cycles run: 9598  
Number of cycles run: 8068  
Number of cycles run: 5824  
Number of cycles run: 5387  
Number of cycles run: 50000  
Number of cycles run: 9894  
Number of cycles run: 8570  
Number of cycles run: 6914  
Number of cycles run: 8303  
Number of cycles run: 5555  
Number of cycles run: 7874  
Number of cycles run: 7288  
Number of cycles run: 6916  
Number of cycles run: 12977  
Number of cycles run: 14192  
Number of cycles run: 11786  
Number of cycles run: 9316  
Number of cycles run: 12689  
Number of cycles run: 7451  
Number of cycles run: 26611  
Number of cycles run: 50000  
Number of cycles run: 8484  
Number of cycles run: 7889  
Number of cycles run: 50000  
Number of cycles run: 6022  
Number of cycles run: 6278  
Number of cycles run: 6520  
Number of cycles run: 8087  
Number of cycles run: 6631  
Number of cycles run: 8505  
Number of cycles run: 6546  
Number of cycles run: 12157  
Number of cycles run: 7896  
Number of cycles run: 16871  
Number of cycles run: 6276  
Number of cycles run: 50000  
Number of cycles run: 7735  
Number of cycles run: 13295  
Number of cycles run: 8514  
Number of cycles run: 7744  
Number of cycles run: 50000  
Number of cycles run: 7790  
Number of cycles run: 7222  
Number of cycles run: 50000  
Number of cycles run: 6193  
Number of cycles run: 6604  
Number of cycles run: 50000  
Number of cycles run: 9557  
Number of cycles run: 9515  
Number of cycles run: 5474  
Number of cycles run: 6522  
Number of cycles run: 6593  
Number of cycles run: 15699  
Number of cycles run: 6791  
Number of cycles run: 8194  
Number of cycles run: 30210  
Av cycles for selfish strength 0 is 12711  
standard diviation is 12403.087858100402

Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 5423  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7930  
Number of cycles run: 6887  
Number of cycles run: 8747  
Number of cycles run: 6109  
Number of cycles run: 8795  
Number of cycles run: 5669  
Number of cycles run: 6043  
Number of cycles run: 5849  
Number of cycles run: 7098  
Number of cycles run: 5777  
Number of cycles run: 6128  
Number of cycles run: 9727  
Number of cycles run: 23365  
Number of cycles run: 6015  
Number of cycles run: 15116  
Number of cycles run: 6955  
Number of cycles run: 8703  
Number of cycles run: 6370  
Number of cycles run: 5368  
Number of cycles run: 5898  
Number of cycles run: 5902  
Number of cycles run: 6872  
Number of cycles run: 6564  
Number of cycles run: 6396  
Number of cycles run: 50000  
Number of cycles run: 9726  
Number of cycles run: 15415  
Number of cycles run: 11016  
Number of cycles run: 20200  
Number of cycles run: 14949  
Number of cycles run: 5914  
Number of cycles run: 50000  
Number of cycles run: 6717  
Number of cycles run: 9959  
Number of cycles run: 8066  
Number of cycles run: 6111  
Number of cycles run: 7467  
Number of cycles run: 8972  
Number of cycles run: 8412  
Number of cycles run: 26623  
Number of cycles run: 50000  
Number of cycles run: 13102  
Number of cycles run: 13033  
Number of cycles run: 6499  
Number of cycles run: 7072  
Number of cycles run: 5300  
Number of cycles run: 8571  
Number of cycles run: 10001  
Number of cycles run: 5319  
Number of cycles run: 7278  
Number of cycles run: 13703  
Number of cycles run: 15593  
Number of cycles run: 6253  
Number of cycles run: 14796  
Number of cycles run: 8833  
Number of cycles run: 6542  
Number of cycles run: 8072  
Number of cycles run: 6511  
Number of cycles run: 6721  
Number of cycles run: 6275  
Number of cycles run: 5391  
Number of cycles run: 50000  
Number of cycles run: 6479  
Number of cycles run: 10211  
Number of cycles run: 20612  
Number of cycles run: 50000  
Number of cycles run: 15016  
Number of cycles run: 17188  
Number of cycles run: 5571  
Number of cycles run: 4607  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7313  
Number of cycles run: 17489  
Number of cycles run: 7077  
Number of cycles run: 10697  
Number of cycles run: 6916  
Number of cycles run: 16464  
Number of cycles run: 10092  
Number of cycles run: 5283  
Number of cycles run: 7204  
Number of cycles run: 8666  
Number of cycles run: 6309  
Number of cycles run: 10225  
Number of cycles run: 5643  
Number of cycles run: 19314  
Number of cycles run: 6139  
Number of cycles run: 6930  
Number of cycles run: 13720  
Number of cycles run: 6527  
Number of cycles run: 5887  
Number of cycles run: 6134  
Number of cycles run: 5784  
Number of cycles run: 7888  
Number of cycles run: 6750  
Number of cycles run: 6082  
Av cycles for selfish strength 0 is 13183  
standard diviation is 13051.842420640556  
Testing average cycles for selfish strength 0  
Number of cycles run: 6348  
Number of cycles run: 6010  
Number of cycles run: 6552  
Number of cycles run: 6697  
Number of cycles run: 46215  
Number of cycles run: 5880  
Number of cycles run: 10068  
Number of cycles run: 6836  
Number of cycles run: 10360  
Number of cycles run: 4935  
Number of cycles run: 9299  
Number of cycles run: 6231  
Number of cycles run: 7570  
Number of cycles run: 7143  
Number of cycles run: 12790  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5934  
Number of cycles run: 5981  
Number of cycles run: 7674  
Number of cycles run: 6860  
Number of cycles run: 6503  
Number of cycles run: 6602  
Number of cycles run: 6302  
Number of cycles run: 8073  
Number of cycles run: 12350  
Number of cycles run: 8888  
Number of cycles run: 7462  
Number of cycles run: 7875  
Number of cycles run: 12560  
Number of cycles run: 6088  
Number of cycles run: 50000  
Number of cycles run: 7144  
Number of cycles run: 37406  
Number of cycles run: 5536  
Number of cycles run: 15468  
Number of cycles run: 7638  
Number of cycles run: 8517  
Number of cycles run: 17673  
Number of cycles run: 7559  
Number of cycles run: 5828  
Number of cycles run: 50000  
Number of cycles run: 5933  
Number of cycles run: 6731  
Number of cycles run: 5493  
Number of cycles run: 5993  
Number of cycles run: 11562  
Number of cycles run: 9178  
Number of cycles run: 50000  
Number of cycles run: 5806  
Number of cycles run: 6348  
Number of cycles run: 12830  
Number of cycles run: 6067  
Number of cycles run: 30611  
Number of cycles run: 5722  
Number of cycles run: 7388  
Number of cycles run: 5432  
Number of cycles run: 50000  
Number of cycles run: 7320  
Number of cycles run: 10008  
Number of cycles run: 7033  
Number of cycles run: 6141  
Number of cycles run: 9440  
Number of cycles run: 5859  
Number of cycles run: 6119  
Number of cycles run: 5659  
Number of cycles run: 10224  
Number of cycles run: 10095  
Number of cycles run: 7721  
Number of cycles run: 50000  
Number of cycles run: 4977  
Number of cycles run: 7308  
Number of cycles run: 7995  
Number of cycles run: 5435  
Number of cycles run: 7345  
Number of cycles run: 11117  
Number of cycles run: 7933  
Number of cycles run: 5951  
Number of cycles run: 36498  
Number of cycles run: 6359  
Number of cycles run: 6916  
Number of cycles run: 8136  
Number of cycles run: 10244  
Number of cycles run: 48730  
Number of cycles run: 8696  
Number of cycles run: 12478  
Number of cycles run: 7233  
Number of cycles run: 50000  
Number of cycles run: 10034  
Number of cycles run: 6840  
Number of cycles run: 8341  
Number of cycles run: 9496  
Number of cycles run: 5281  
Number of cycles run: 22780  
Number of cycles run: 10509  
Number of cycles run: 6186  
Number of cycles run: 6323  
Number of cycles run: 8383  
Number of cycles run: 6374  
Av cycles for selfish strength 0 is 13394  
standard diviation is 13846.440133409049  
Testing average cycles for selfish strength 0  
Number of cycles run: 8056  
Number of cycles run: 7376  
Number of cycles run: 6790  
Number of cycles run: 6751  
Number of cycles run: 50000  
Number of cycles run: 7319  
Number of cycles run: 9050  
Number of cycles run: 50000  
Number of cycles run: 9949  
Number of cycles run: 6755  
Number of cycles run: 8173  
Number of cycles run: 4771  
Number of cycles run: 25150  
Number of cycles run: 8526  
Number of cycles run: 6806  
Number of cycles run: 7333  
Number of cycles run: 14788  
Number of cycles run: 5678  
Number of cycles run: 50000  
Number of cycles run: 25066  
Number of cycles run: 11228  
Number of cycles run: 50000  
Number of cycles run: 17497  
Number of cycles run: 7588  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5671  
Number of cycles run: 5820  
Number of cycles run: 9864  
Number of cycles run: 9212  
Number of cycles run: 6311  
Number of cycles run: 6027  
Number of cycles run: 6517  
Number of cycles run: 9451  
Number of cycles run: 5539  
Number of cycles run: 16606  
Number of cycles run: 5759  
Number of cycles run: 9185  
Number of cycles run: 7515  
Number of cycles run: 18984  
Number of cycles run: 11384  
Number of cycles run: 5774  
Number of cycles run: 6862  
Number of cycles run: 50000  
Number of cycles run: 7127  
Number of cycles run: 6411  
Number of cycles run: 7232  
Number of cycles run: 6369  
Number of cycles run: 5096  
Number of cycles run: 7225  
Number of cycles run: 21504  
Number of cycles run: 6433  
Number of cycles run: 50000  
Number of cycles run: 12873  
Number of cycles run: 8534  
Number of cycles run: 50000  
Number of cycles run: 7410  
Number of cycles run: 7083  
Number of cycles run: 50000  
Number of cycles run: 6106  
Number of cycles run: 6045  
Number of cycles run: 5209  
Number of cycles run: 5878  
Number of cycles run: 6600  
Number of cycles run: 7177  
Number of cycles run: 6504  
Number of cycles run: 6006  
Number of cycles run: 9269  
Number of cycles run: 7397  
Number of cycles run: 11044  
Number of cycles run: 9794  
Number of cycles run: 8948  
Number of cycles run: 50000  
Number of cycles run: 10210  
Number of cycles run: 6206  
Number of cycles run: 8851  
Number of cycles run: 50000  
Number of cycles run: 43515  
Number of cycles run: 6516  
Number of cycles run: 5242  
Number of cycles run: 5761  
Number of cycles run: 5746  
Number of cycles run: 7178  
Number of cycles run: 21962  
Number of cycles run: 12767  
Number of cycles run: 22044  
Number of cycles run: 6712  
Number of cycles run: 8439  
Number of cycles run: 28984

Number of cycles run: 18922  
Number of cycles run: 6359  
Number of cycles run: 8162  
Number of cycles run: 5831  
Number of cycles run: 6272  
Number of cycles run: 6164  
Number of cycles run: 50000  
Number of cycles run: 6278  
Number of cycles run: 5359  
Number of cycles run: 7924  
Number of cycles run: 6062  
Av cycles for selfish strength 0 is 14778  
standard diviation is 14877.564541712743  
Testing average cycles for selfish strength 0  
Number of cycles run: 5970  
Number of cycles run: 5431  
Number of cycles run: 50000  
Number of cycles run: 7782  
Number of cycles run: 43767  
Number of cycles run: 6502  
Number of cycles run: 6190  
Number of cycles run: 7439  
Number of cycles run: 8775  
Number of cycles run: 7842  
Number of cycles run: 8879  
Number of cycles run: 13541  
Number of cycles run: 8234  
Number of cycles run: 7526  
Number of cycles run: 10871  
Number of cycles run: 8388  
Number of cycles run: 7703  
Number of cycles run: 6283  
Number of cycles run: 7632  
Number of cycles run: 31062  
Number of cycles run: 8720  
Number of cycles run: 17157  
Number of cycles run: 18604  
Number of cycles run: 6904  
Number of cycles run: 5973  
Number of cycles run: 11447  
Number of cycles run: 5025  
Number of cycles run: 5454  
Number of cycles run: 6083  
Number of cycles run: 4661  
Number of cycles run: 6237  
Number of cycles run: 7468  
Number of cycles run: 5368  
Number of cycles run: 6292  
Number of cycles run: 5940  
Number of cycles run: 6902  
Number of cycles run: 5775  
Number of cycles run: 5747  
Number of cycles run: 7247  
Number of cycles run: 17796  
Number of cycles run: 9689  
Number of cycles run: 22854  
Number of cycles run: 9578  
Number of cycles run: 12076  
Number of cycles run: 8544  
Number of cycles run: 50000  
Number of cycles run: 6635  
Number of cycles run: 5831  
Number of cycles run: 6087  
Number of cycles run: 40376  
Number of cycles run: 5495  
Number of cycles run: 50000  
Number of cycles run: 14166  
Number of cycles run: 7165  
Number of cycles run: 5564  
Number of cycles run: 8203  
Number of cycles run: 6075  
Number of cycles run: 50000  
Number of cycles run: 40973  
Number of cycles run: 9004  
Number of cycles run: 7835  
Number of cycles run: 6583  
Number of cycles run: 5972  
Number of cycles run: 6970  
Number of cycles run: 6608  
Number of cycles run: 6412  
Number of cycles run: 13597  
Number of cycles run: 9070  
Number of cycles run: 6743  
Number of cycles run: 6695  
Number of cycles run: 50000  
Number of cycles run: 6205  
Number of cycles run: 27821  
Number of cycles run: 8962  
Number of cycles run: 6093  
Number of cycles run: 8320  
Number of cycles run: 6031  
Number of cycles run: 10091  
Number of cycles run: 6928  
Number of cycles run: 50000  
Number of cycles run: 6403  
Number of cycles run: 5905  
Number of cycles run: 50000  
Number of cycles run: 5938  
Number of cycles run: 8317  
Number of cycles run: 19087  
Number of cycles run: 19837  
Number of cycles run: 6352  
Number of cycles run: 26233  
Number of cycles run: 50000  
Number of cycles run: 13745  
Number of cycles run: 50000  
Number of cycles run: 5645  
Number of cycles run: 6272  
Number of cycles run: 12119  
Number of cycles run: 5698  
Number of cycles run: 50000  
Number of cycles run: 7659  
Number of cycles run: 6658  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 14557  
standard diviation is 14537.377547897044  
Testing average cycles for selfish strength 0  
Number of cycles run: 9160  
Number of cycles run: 6031  
Number of cycles run: 7177  
Number of cycles run: 12781  
Number of cycles run: 34843  
Number of cycles run: 9762  
Number of cycles run: 6969  
Number of cycles run: 8691  
Number of cycles run: 7259  
Number of cycles run: 9713  
Number of cycles run: 7862  
Number of cycles run: 5749  
Number of cycles run: 7021  
Number of cycles run: 7483  
Number of cycles run: 4714  
Number of cycles run: 8612  
Number of cycles run: 6104  
Number of cycles run: 6400  
Number of cycles run: 12234  
Number of cycles run: 8151  
Number of cycles run: 7312  
Number of cycles run: 7944  
Number of cycles run: 5802  
Number of cycles run: 9532  
Number of cycles run: 40612  
Number of cycles run: 8855  
Number of cycles run: 10052  
Number of cycles run: 14454  
Number of cycles run: 5802  
Number of cycles run: 7593  
Number of cycles run: 7156  
Number of cycles run: 6026  
Number of cycles run: 50000  
Number of cycles run: 12787  
Number of cycles run: 6676  
Number of cycles run: 6782  
Number of cycles run: 6708  
Number of cycles run: 7851  
Number of cycles run: 8896  
Number of cycles run: 6110  
Number of cycles run: 7947  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 16741  
Number of cycles run: 6274  
Number of cycles run: 10579  
Number of cycles run: 11983  
Number of cycles run: 24056  
Number of cycles run: 50000  
Number of cycles run: 6430  
Number of cycles run: 6103  
Number of cycles run: 8259  
Number of cycles run: 50000  
Number of cycles run: 7763  
Number of cycles run: 6418  
Number of cycles run: 50000  
Number of cycles run: 7260  
Number of cycles run: 6722  
Number of cycles run: 4990  
Number of cycles run: 6617  
Number of cycles run: 22267  
Number of cycles run: 7548  
Number of cycles run: 8564  
Number of cycles run: 7998  
Number of cycles run: 9529  
Number of cycles run: 6195  
Number of cycles run: 7266  
Number of cycles run: 5385  
Number of cycles run: 16380  
Number of cycles run: 16980  
Number of cycles run: 7046  
Number of cycles run: 6573  
Number of cycles run: 24879  
Number of cycles run: 6019  
Number of cycles run: 7946  
Number of cycles run: 6595  
Number of cycles run: 6527  
Number of cycles run: 9717  
Number of cycles run: 5955  
Number of cycles run: 6299  
Number of cycles run: 6893  
Number of cycles run: 7096  
Number of cycles run: 21734  
Number of cycles run: 6105  
Number of cycles run: 7595  
Number of cycles run: 12325  
Number of cycles run: 9328  
Number of cycles run: 10871  
Number of cycles run: 8527  
Number of cycles run: 4958  
Number of cycles run: 50000  
Number of cycles run: 5403  
Number of cycles run: 6052  
Number of cycles run: 8451  
Number of cycles run: 11794  
Number of cycles run: 6041  
Number of cycles run: 10353  
Number of cycles run: 7877  
Number of cycles run: 5666  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 12645  
standard diviation is 12407.494340339454  
Testing average cycles for selfish strength 0  
Number of cycles run: 8181  
Number of cycles run: 11732  
Number of cycles run: 7114  
Number of cycles run: 7228  
Number of cycles run: 10633  
Number of cycles run: 6107  
Number of cycles run: 5661  
Number of cycles run: 6085  
Number of cycles run: 7196  
Number of cycles run: 5405  
Number of cycles run: 7264  
Number of cycles run: 11352  
Number of cycles run: 9675  
Number of cycles run: 50000  
Number of cycles run: 27945  
Number of cycles run: 7563  
Number of cycles run: 10372  
Number of cycles run: 8036  
Number of cycles run: 5926  
Number of cycles run: 9138  
Number of cycles run: 8129  
Number of cycles run: 5380  
Number of cycles run: 8131  
Number of cycles run: 13323  
Number of cycles run: 50000  
Number of cycles run: 6900  
Number of cycles run: 17708  
Number of cycles run: 12018  
Number of cycles run: 6947  
Number of cycles run: 6317  
Number of cycles run: 21755  
Number of cycles run: 5853  
Number of cycles run: 9643  
Number of cycles run: 7853  
Number of cycles run: 8374  
Number of cycles run: 47479  
Number of cycles run: 8901  
Number of cycles run: 6853  
Number of cycles run: 28473  
Number of cycles run: 7591  
Number of cycles run: 8915  
Number of cycles run: 8015  
Number of cycles run: 7038  
Number of cycles run: 8559  
Number of cycles run: 41000  
Number of cycles run: 7531  
Number of cycles run: 9006  
Number of cycles run: 6008  
Number of cycles run: 7629  
Number of cycles run: 6213  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5601  
Number of cycles run: 7819  
Number of cycles run: 6128  
Number of cycles run: 6122  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5512  
Number of cycles run: 13041  
Number of cycles run: 6422  
Number of cycles run: 45567  
Number of cycles run: 6041  
Number of cycles run: 6608  
Number of cycles run: 5047  
Number of cycles run: 7831  
Number of cycles run: 7656  
Number of cycles run: 6217  
Number of cycles run: 4941  
Number of cycles run: 8208  
Number of cycles run: 6360  
Number of cycles run: 6756  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7112

Number of cycles run: 9724  
Number of cycles run: 5819  
Number of cycles run: 7137  
Number of cycles run: 5556  
Number of cycles run: 7216  
Number of cycles run: 8214  
Number of cycles run: 6640  
Number of cycles run: 6408  
Number of cycles run: 7969  
Number of cycles run: 8723  
Number of cycles run: 17722  
Number of cycles run: 8011  
Number of cycles run: 5225  
Number of cycles run: 8743  
Number of cycles run: 10626  
Number of cycles run: 28431  
Number of cycles run: 8304  
Number of cycles run: 6622  
Number of cycles run: 27700  
Number of cycles run: 7083  
Number of cycles run: 5558  
Number of cycles run: 5888  
Number of cycles run: 6233  
Number of cycles run: 11295  
Number of cycles run: 7221  
Av cycles for selfish strength 0 is 13272  
standard diviation is 13363.303695651843  
Testing average cycles for selfish strength 0  
Number of cycles run: 6755  
Number of cycles run: 7115  
Number of cycles run: 7439  
Number of cycles run: 10632  
Number of cycles run: 7132  
Number of cycles run: 6239  
Number of cycles run: 6036  
Number of cycles run: 7607  
Number of cycles run: 6083  
Number of cycles run: 28815  
Number of cycles run: 5412  
Number of cycles run: 9574  
Number of cycles run: 6943  
Number of cycles run: 6293  
Number of cycles run: 7072  
Number of cycles run: 5542  
Number of cycles run: 6487  
Number of cycles run: 6063  
Number of cycles run: 5703  
Number of cycles run: 6670  
Number of cycles run: 12821  
Number of cycles run: 50000  
Number of cycles run: 10758  
Number of cycles run: 5631  
Number of cycles run: 21168  
Number of cycles run: 9976  
Number of cycles run: 50000  
Number of cycles run: 9011  
Number of cycles run: 5768  
Number of cycles run: 6106  
Number of cycles run: 12761  
Number of cycles run: 5296  
Number of cycles run: 5686  
Number of cycles run: 9681  
Number of cycles run: 9205  
Number of cycles run: 6559  
Number of cycles run: 6075  
Number of cycles run: 50000  
Number of cycles run: 6989  
Number of cycles run: 24279  
Number of cycles run: 33687  
Number of cycles run: 6050  
Number of cycles run: 7970  
Number of cycles run: 50000  
Number of cycles run: 7023  
Number of cycles run: 7296  
Number of cycles run: 50000  
Number of cycles run: 9190  
Number of cycles run: 6128  
Number of cycles run: 7100  
Number of cycles run: 24245  
Number of cycles run: 18181  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7434  
Number of cycles run: 9594  
Number of cycles run: 6717  
Number of cycles run: 14911  
Number of cycles run: 8828  
Number of cycles run: 7081  
Number of cycles run: 11728  
Number of cycles run: 5988  
Number of cycles run: 7784  
Number of cycles run: 6898  
Number of cycles run: 8362  
Number of cycles run: 7380  
Number of cycles run: 6514  
Number of cycles run: 22605  
Number of cycles run: 50000  
Number of cycles run: 9629  
Number of cycles run: 50000  
Number of cycles run: 5454  
Number of cycles run: 7581  
Number of cycles run: 33737  
Number of cycles run: 7320  
Number of cycles run: 5751  
Number of cycles run: 50000  
Number of cycles run: 6400  
Number of cycles run: 8893  
Number of cycles run: 5958  
Number of cycles run: 7274  
Number of cycles run: 7540  
Number of cycles run: 11253  
Number of cycles run: 17863  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6298  
Number of cycles run: 7056  
Number of cycles run: 7641  
Number of cycles run: 7416  
Number of cycles run: 50000  
Number of cycles run: 7267  
Number of cycles run: 5648  
Number of cycles run: 7425  
Number of cycles run: 8214  
Number of cycles run: 6327  
Number of cycles run: 6349  
Number of cycles run: 9974  
Number of cycles run: 18703  
Av cycles for selfish strength 0 is 15190  
standard diviation is 15176.899647763465  
Testing average cycles for selfish strength 0  
Number of cycles run: 7201  
Number of cycles run: 6743  
Number of cycles run: 6342  
Number of cycles run: 8026  
Number of cycles run: 5897  
Number of cycles run: 10406  
Number of cycles run: 50000  
Number of cycles run: 5790  
Number of cycles run: 8274  
Number of cycles run: 6762  
Number of cycles run: 6458  
Number of cycles run: 15561  
Number of cycles run: 6048  
Number of cycles run: 6134  
Number of cycles run: 7324  
Number of cycles run: 6596  
Number of cycles run: 8087  
Number of cycles run: 7994  
Number of cycles run: 20687  
Number of cycles run: 11184  
Number of cycles run: 7029  
Number of cycles run: 5872  
Number of cycles run: 7222  
Number of cycles run: 9975  
Number of cycles run: 31357  
Number of cycles run: 5842  
Number of cycles run: 50000  
Number of cycles run: 8374  
Number of cycles run: 6798  
Number of cycles run: 8563  
Number of cycles run: 30405  
Number of cycles run: 11114  
Number of cycles run: 5892  
Number of cycles run: 7171  
Number of cycles run: 7522  
Number of cycles run: 23685  
Number of cycles run: 5624  
Number of cycles run: 8026  
Number of cycles run: 7334  
Number of cycles run: 8831  
Number of cycles run: 15537  
Number of cycles run: 5784  
Number of cycles run: 8469  
Number of cycles run: 5840  
Number of cycles run: 5558  
Number of cycles run: 9351  
Number of cycles run: 6681  
Number of cycles run: 10212  
Number of cycles run: 5575  
Number of cycles run: 5640  
Number of cycles run: 6447  
Number of cycles run: 19415  
Number of cycles run: 11667  
Number of cycles run: 7401  
Number of cycles run: 12232  
Number of cycles run: 7330  
Number of cycles run: 6532  
Number of cycles run: 7852  
Number of cycles run: 6859  
Number of cycles run: 6676  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6813  
Number of cycles run: 7672  
Number of cycles run: 23133  
Number of cycles run: 6706  
Number of cycles run: 5487  
Number of cycles run: 7724  
Number of cycles run: 6925  
Number of cycles run: 5939  
Number of cycles run: 6155  
Number of cycles run: 7211  
Number of cycles run: 6813  
Number of cycles run: 6964  
Number of cycles run: 6147  
Number of cycles run: 6301  
Number of cycles run: 10135  
Number of cycles run: 15085  
Number of cycles run: 17665  
Number of cycles run: 6049  
Number of cycles run: 10791  
Number of cycles run: 5772  
Number of cycles run: 5403  
Number of cycles run: 6493  
Number of cycles run: 24001  
Number of cycles run: 50000  
Number of cycles run: 10647  
Number of cycles run: 6454  
Number of cycles run: 6369  
Number of cycles run: 5773  
Number of cycles run: 5624  
Number of cycles run: 50000  
Number of cycles run: 7230  
Number of cycles run: 9129  
Number of cycles run: 5932  
Number of cycles run: 5623  
Number of cycles run: 6497  
Number of cycles run: 5601  
Number of cycles run: 6391  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 11818  
standard diviation is 11667.975654514516  
Testing average cycles for selfish strength 0  
Number of cycles run: 6260  
Number of cycles run: 50000  
Number of cycles run: 9463  
Number of cycles run: 10699  
Number of cycles run: 7898  
Number of cycles run: 50000  
Number of cycles run: 7059  
Number of cycles run: 5462  
Number of cycles run: 10626  
Number of cycles run: 32679  
Number of cycles run: 7162  
Number of cycles run: 5672  
Number of cycles run: 6629  
Number of cycles run: 33715  
Number of cycles run: 50000  
Number of cycles run: 5720  
Number of cycles run: 18041  
Number of cycles run: 5883  
Number of cycles run: 5745  
Number of cycles run: 9813  
Number of cycles run: 7543  
Number of cycles run: 6958  
Number of cycles run: 8688  
Number of cycles run: 5265  
Number of cycles run: 7400  
Number of cycles run: 10483  
Number of cycles run: 50000  
Number of cycles run: 13275  
Number of cycles run: 6015  
Number of cycles run: 13678  
Number of cycles run: 5576  
Number of cycles run: 7800  
Number of cycles run: 28908  
Number of cycles run: 6262  
Number of cycles run: 4986  
Number of cycles run: 9058  
Number of cycles run: 38098  
Number of cycles run: 6059  
Number of cycles run: 5418  
Number of cycles run: 21175  
Number of cycles run: 7986  
Number of cycles run: 14275  
Number of cycles run: 7478  
Number of cycles run: 7628  
Number of cycles run: 6539  
Number of cycles run: 5726  
Number of cycles run: 10482  
Number of cycles run: 8019  
Number of cycles run: 6053  
Number of cycles run: 5685  
Number of cycles run: 5123  
Number of cycles run: 12507  
Number of cycles run: 7368  
Number of cycles run: 47541  
Number of cycles run: 5870  
Number of cycles run: 18499  
Number of cycles run: 8278  
Number of cycles run: 12144  
Number of cycles run: 6297  
Number of cycles run: 6542  
Number of cycles run: 7597

Number of cycles run: 12361  
Number of cycles run: 6128  
Number of cycles run: 7751  
Number of cycles run: 7394  
Number of cycles run: 7072  
Number of cycles run: 50000  
Number of cycles run: 7104  
Number of cycles run: 7129  
Number of cycles run: 8555  
Number of cycles run: 7507  
Number of cycles run: 16637  
Number of cycles run: 50000  
Number of cycles run: 6108  
Number of cycles run: 50000  
Number of cycles run: 6328  
Number of cycles run: 6943  
Number of cycles run: 6613  
Number of cycles run: 6369  
Number of cycles run: 6525  
Number of cycles run: 7030  
Number of cycles run: 6836  
Number of cycles run: 9853  
Number of cycles run: 7227  
Number of cycles run: 5723  
Number of cycles run: 16341  
Number of cycles run: 10805  
Number of cycles run: 5171  
Number of cycles run: 5547  
Number of cycles run: 5918  
Number of cycles run: 6168  
Number of cycles run: 6343  
Number of cycles run: 6878  
Number of cycles run: 5508  
Number of cycles run: 17656  
Number of cycles run: 6494  
Number of cycles run: 8029  
Number of cycles run: 7456  
Number of cycles run: 6370  
Number of cycles run: 7219  
Av cycles for selfish strength 0 is 12539  
standard diviation is 12498.22847561553  
Testing average cycles for selfish strength 0  
Number of cycles run: 37472  
Number of cycles run: 15752  
Number of cycles run: 50000  
Number of cycles run: 10602  
Number of cycles run: 50000  
Number of cycles run: 9772  
Number of cycles run: 32639  
Number of cycles run: 8976  
Number of cycles run: 5446  
Number of cycles run: 7838  
Number of cycles run: 35943  
Number of cycles run: 9205  
Number of cycles run: 19535  
Number of cycles run: 6119  
Number of cycles run: 6504  
Number of cycles run: 7642  
Number of cycles run: 6159  
Number of cycles run: 5602  
Number of cycles run: 6404  
Number of cycles run: 6382  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6582  
Number of cycles run: 27663  
Number of cycles run: 5785  
Number of cycles run: 6688  
Number of cycles run: 5495  
Number of cycles run: 6385  
Number of cycles run: 10503  
Number of cycles run: 8248  
Number of cycles run: 6299  
Number of cycles run: 5856  
Number of cycles run: 6837  
Number of cycles run: 12074  
Number of cycles run: 16372  
Number of cycles run: 13496  
Number of cycles run: 13201  
Number of cycles run: 6091  
Number of cycles run: 14626  
Number of cycles run: 39993  
Number of cycles run: 7841  
Number of cycles run: 6941  
Number of cycles run: 7116  
Number of cycles run: 12815  
Number of cycles run: 6731  
Number of cycles run: 9365  
Number of cycles run: 6685  
Number of cycles run: 18990  
Number of cycles run: 7984  
Number of cycles run: 5394  
Number of cycles run: 26857  
Number of cycles run: 7588  
Number of cycles run: 10488  
Number of cycles run: 6140  
Number of cycles run: 7346  
Number of cycles run: 22099  
Number of cycles run: 7389  
Number of cycles run: 7053  
Number of cycles run: 24029  
Number of cycles run: 6107  
Number of cycles run: 8671  
Number of cycles run: 5769  
Number of cycles run: 19440  
Number of cycles run: 6270  
Number of cycles run: 43618  
Number of cycles run: 7926  
Number of cycles run: 6459  
Number of cycles run: 7274  
Number of cycles run: 5333  
Number of cycles run: 50000  
Number of cycles run: 5807  
Number of cycles run: 11605  
Number of cycles run: 5615  
Number of cycles run: 50000  
Number of cycles run: 5265  
Number of cycles run: 11503  
Number of cycles run: 11911  
Number of cycles run: 6861  
Number of cycles run: 5491  
Number of cycles run: 14274  
Number of cycles run: 50000  
Number of cycles run: 6875  
Number of cycles run: 5875  
Number of cycles run: 30437  
Number of cycles run: 11625  
Number of cycles run: 50000  
Number of cycles run: 12054  
Number of cycles run: 6151  
Number of cycles run: 11327  
Number of cycles run: 6434  
Number of cycles run: 8509  
Number of cycles run: 6088  
Number of cycles run: 7002  
Number of cycles run: 5709  
Number of cycles run: 50000  
Number of cycles run: 9018  
Number of cycles run: 50000  
Number of cycles run: 20558  
Number of cycles run: 50000  
Number of cycles run: 10124  
Av cycles for selfish strength 0 is 15620  
standard diviation is 14549.521963461635