Testing average cycles for selfish strength 3.0  
Number of cycles run: 5848  
Number of cycles run: 6879  
Number of cycles run: 9790  
Number of cycles run: 6340  
Number of cycles run: 7510  
Number of cycles run: 7242  
Number of cycles run: 9126  
Number of cycles run: 7373  
Number of cycles run: 10734  
Number of cycles run: 50000  
Number of cycles run: 6332  
Number of cycles run: 6180  
Number of cycles run: 50000  
Number of cycles run: 9211  
Number of cycles run: 7237  
Number of cycles run: 7006  
Number of cycles run: 8501  
Number of cycles run: 9218  
Number of cycles run: 44736  
Number of cycles run: 8625  
Number of cycles run: 6525  
Number of cycles run: 21146  
Number of cycles run: 10188  
Number of cycles run: 12682  
Number of cycles run: 8187  
Number of cycles run: 6629  
Number of cycles run: 50000  
Number of cycles run: 6235  
Number of cycles run: 8118  
Number of cycles run: 19120  
Number of cycles run: 26283  
Number of cycles run: 9191  
Number of cycles run: 8408  
Number of cycles run: 7265  
Number of cycles run: 5657  
Number of cycles run: 8452  
Number of cycles run: 7003  
Number of cycles run: 6387  
Number of cycles run: 5318  
Number of cycles run: 8339  
Number of cycles run: 10015  
Number of cycles run: 7707  
Number of cycles run: 7631  
Number of cycles run: 7334  
Number of cycles run: 5935  
Number of cycles run: 9881  
Number of cycles run: 10681  
Number of cycles run: 8183  
Number of cycles run: 50000  
Number of cycles run: 7307  
Av cycles for selfish strength 3.0 is 12873  
standard diviation is 12741.113977904726  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 9666  
Number of cycles run: 7026  
Number of cycles run: 9795  
Number of cycles run: 5944  
Number of cycles run: 11873  
Number of cycles run: 9216  
Number of cycles run: 13048  
Number of cycles run: 5231  
Number of cycles run: 6487  
Number of cycles run: 6658  
Number of cycles run: 7347  
Number of cycles run: 7773  
Number of cycles run: 7809  
Number of cycles run: 7100  
Number of cycles run: 8451  
Number of cycles run: 6573  
Number of cycles run: 10175  
Number of cycles run: 7513  
Number of cycles run: 6865  
Number of cycles run: 8289  
Number of cycles run: 7754  
Number of cycles run: 7276  
Number of cycles run: 6885  
Number of cycles run: 5747  
Number of cycles run: 17284  
Number of cycles run: 5970  
Number of cycles run: 13068  
Number of cycles run: 7302  
Number of cycles run: 10035  
Number of cycles run: 7879  
Number of cycles run: 10950  
Number of cycles run: 38912  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7058  
Number of cycles run: 23956  
Number of cycles run: 7087  
Number of cycles run: 6671  
Number of cycles run: 7734  
Number of cycles run: 7486  
Number of cycles run: 9497  
Number of cycles run: 7778  
Number of cycles run: 10915  
Number of cycles run: 50000  
Number of cycles run: 6911  
Number of cycles run: 21691  
Number of cycles run: 5642  
Number of cycles run: 10014  
Number of cycles run: 6605  
Av cycles for selfish strength 3.0 is 12818  
standard diviation is 12397.243730600701  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 18593  
Number of cycles run: 7329  
Number of cycles run: 7319  
Number of cycles run: 11987  
Number of cycles run: 5348  
Number of cycles run: 9362  
Number of cycles run: 9454  
Number of cycles run: 7152  
Number of cycles run: 7573  
Number of cycles run: 8756  
Number of cycles run: 11550  
Number of cycles run: 7048  
Number of cycles run: 7175  
Number of cycles run: 10452  
Number of cycles run: 7604  
Number of cycles run: 7632  
Number of cycles run: 5963  
Number of cycles run: 7551  
Number of cycles run: 50000  
Number of cycles run: 18941  
Number of cycles run: 7057  
Number of cycles run: 6339  
Number of cycles run: 5946  
Number of cycles run: 22350  
Number of cycles run: 10100  
Number of cycles run: 8440  
Number of cycles run: 50000  
Number of cycles run: 8238  
Number of cycles run: 6878  
Number of cycles run: 6907  
Number of cycles run: 24361  
Number of cycles run: 7226  
Number of cycles run: 8849  
Number of cycles run: 11942  
Number of cycles run: 8493  
Number of cycles run: 6325  
Number of cycles run: 6178  
Number of cycles run: 7977  
Number of cycles run: 9061  
Number of cycles run: 50000  
Number of cycles run: 6164  
Number of cycles run: 7105  
Number of cycles run: 50000  
Number of cycles run: 9757  
Number of cycles run: 17716  
Number of cycles run: 7401  
Number of cycles run: 7766  
Number of cycles run: 7261  
Number of cycles run: 7005  
Number of cycles run: 7069  
Av cycles for selfish strength 3.0 is 12534  
standard diviation is 11893.75183249849  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 50000  
Number of cycles run: 8185  
Number of cycles run: 50000  
Number of cycles run: 35764  
Number of cycles run: 7672  
Number of cycles run: 6803  
Number of cycles run: 50000  
Number of cycles run: 7339  
Number of cycles run: 50000  
Number of cycles run: 8775  
Number of cycles run: 5898  
Number of cycles run: 8437  
Number of cycles run: 10124  
Number of cycles run: 7552  
Number of cycles run: 7304  
Number of cycles run: 6616  
Number of cycles run: 6787  
Number of cycles run: 7561  
Number of cycles run: 8766  
Number of cycles run: 50000  
Number of cycles run: 7227  
Number of cycles run: 13440  
Number of cycles run: 8042  
Number of cycles run: 7163  
Number of cycles run: 50000  
Number of cycles run: 6794  
Number of cycles run: 7257  
Number of cycles run: 6719  
Number of cycles run: 8562  
Number of cycles run: 8277  
Number of cycles run: 7921  
Number of cycles run: 7042  
Number of cycles run: 10283  
Number of cycles run: 6246  
Number of cycles run: 50000  
Number of cycles run: 7685  
Number of cycles run: 7410  
Number of cycles run: 8261  
Number of cycles run: 8970  
Number of cycles run: 5974  
Number of cycles run: 6604  
Number of cycles run: 6407  
Number of cycles run: 7845  
Number of cycles run: 6587  
Number of cycles run: 7117  
Number of cycles run: 6305  
Number of cycles run: 7248  
Number of cycles run: 17303  
Number of cycles run: 7163  
Number of cycles run: 8202  
Av cycles for selfish strength 3.0 is 14352  
standard diviation is 15162.573638376292  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6609  
Number of cycles run: 7806  
Number of cycles run: 15498  
Number of cycles run: 50000  
Number of cycles run: 15700  
Number of cycles run: 7943  
Number of cycles run: 28072  
Number of cycles run: 6294  
Number of cycles run: 7244  
Number of cycles run: 6712  
Number of cycles run: 7495  
Number of cycles run: 8335  
Number of cycles run: 7800  
Number of cycles run: 15654  
Number of cycles run: 16944  
Number of cycles run: 21356  
Number of cycles run: 8076  
Number of cycles run: 16088  
Number of cycles run: 50000  
Number of cycles run: 8489  
Number of cycles run: 19545  
Number of cycles run: 13819  
Number of cycles run: 7357  
Number of cycles run: 5440  
Number of cycles run: 5684  
Number of cycles run: 7098  
Number of cycles run: 5779  
Number of cycles run: 9066  
Number of cycles run: 6767  
Number of cycles run: 28385  
Number of cycles run: 8228  
Number of cycles run: 22400  
Number of cycles run: 50000  
Number of cycles run: 7790  
Number of cycles run: 6051  
Number of cycles run: 8996  
Number of cycles run: 8497  
Number of cycles run: 6833  
Number of cycles run: 5927  
Number of cycles run: 6035  
Number of cycles run: 5745  
Number of cycles run: 8200  
Number of cycles run: 7797  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5905  
Number of cycles run: 10190  
Number of cycles run: 6575  
Number of cycles run: 7417  
Number of cycles run: 4937  
Av cycles for selfish strength 3.0 is 14171  
standard diviation is 13306.191368728489  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6176  
Number of cycles run: 12118  
Number of cycles run: 5965  
Number of cycles run: 4787  
Number of cycles run: 7403  
Number of cycles run: 6660  
Number of cycles run: 11405  
Number of cycles run: 7488  
Number of cycles run: 8821  
Number of cycles run: 9147  
Number of cycles run: 7377  
Number of cycles run: 6626  
Number of cycles run: 8188  
Number of cycles run: 25651  
Number of cycles run: 7972  
Number of cycles run: 12369  
Number of cycles run: 8064  
Number of cycles run: 6653  
Number of cycles run: 5027  
Number of cycles run: 6888  
Number of cycles run: 15029  
Number of cycles run: 22215  
Number of cycles run: 38024

Number of cycles run: 7102  
Number of cycles run: 8774  
Number of cycles run: 6246  
Number of cycles run: 10052  
Number of cycles run: 8914  
Number of cycles run: 7626  
Number of cycles run: 8043  
Number of cycles run: 16649  
Number of cycles run: 5596  
Number of cycles run: 6419  
Number of cycles run: 6534  
Number of cycles run: 6357  
Number of cycles run: 20622  
Number of cycles run: 12207  
Number of cycles run: 9118  
Number of cycles run: 6781  
Number of cycles run: 8852  
Number of cycles run: 5245  
Number of cycles run: 50000  
Number of cycles run: 5945  
Number of cycles run: 13504  
Number of cycles run: 5268  
Number of cycles run: 10123  
Number of cycles run: 7919  
Number of cycles run: 19068  
Number of cycles run: 7137  
Number of cycles run: 14601  
Av cycles for selfish strength 3.0 is 10895  
standard diviation is 8320.632992624973  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 42916  
Number of cycles run: 7035  
Number of cycles run: 5422  
Number of cycles run: 6774  
Number of cycles run: 6054  
Number of cycles run: 39710  
Number of cycles run: 11703  
Number of cycles run: 10251  
Number of cycles run: 8027  
Number of cycles run: 8388  
Number of cycles run: 7915  
Number of cycles run: 7446  
Number of cycles run: 8972  
Number of cycles run: 50000  
Number of cycles run: 6903  
Number of cycles run: 7183  
Number of cycles run: 13510  
Number of cycles run: 7929  
Number of cycles run: 6806  
Number of cycles run: 7029  
Number of cycles run: 7141  
Number of cycles run: 7459  
Number of cycles run: 7801  
Number of cycles run: 29396  
Number of cycles run: 7759  
Number of cycles run: 7679  
Number of cycles run: 50000  
Number of cycles run: 8933  
Number of cycles run: 5320  
Number of cycles run: 7680  
Number of cycles run: 8217  
Number of cycles run: 6763  
Number of cycles run: 7397  
Number of cycles run: 11027  
Number of cycles run: 6076  
Number of cycles run: 10513  
Number of cycles run: 5651  
Number of cycles run: 5497  
Number of cycles run: 6147  
Number of cycles run: 7121  
Number of cycles run: 11252  
Number of cycles run: 15882  
Number of cycles run: 5877  
Number of cycles run: 7631  
Number of cycles run: 6047  
Number of cycles run: 6622  
Number of cycles run: 10733  
Number of cycles run: 8921  
Number of cycles run: 6803  
Number of cycles run: 48749  
Av cycles for selfish strength 3.0 is 12241  
standard diviation is 12103.666397823263  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6377  
Number of cycles run: 5945  
Number of cycles run: 50000  
Number of cycles run: 10395  
Number of cycles run: 6401  
Number of cycles run: 9353  
Number of cycles run: 8069  
Number of cycles run: 12979  
Number of cycles run: 8563  
Number of cycles run: 8045  
Number of cycles run: 8609  
Number of cycles run: 18141  
Number of cycles run: 7129  
Number of cycles run: 6334  
Number of cycles run: 7228  
Number of cycles run: 6345  
Number of cycles run: 7642  
Number of cycles run: 8160  
Number of cycles run: 5139  
Number of cycles run: 5963  
Number of cycles run: 6213  
Number of cycles run: 8698  
Number of cycles run: 7100  
Number of cycles run: 17621  
Number of cycles run: 7918  
Number of cycles run: 6094  
Number of cycles run: 50000  
Number of cycles run: 6838  
Number of cycles run: 6121  
Number of cycles run: 8477  
Number of cycles run: 11049  
Number of cycles run: 7126  
Number of cycles run: 50000  
Number of cycles run: 6627  
Number of cycles run: 7856  
Number of cycles run: 6373  
Number of cycles run: 10162  
Number of cycles run: 8157  
Number of cycles run: 7018  
Number of cycles run: 8673  
Number of cycles run: 6115  
Number of cycles run: 50000  
Number of cycles run: 7571  
Number of cycles run: 7941  
Number of cycles run: 10380  
Number of cycles run: 13216  
Number of cycles run: 10539  
Number of cycles run: 7551  
Number of cycles run: 6190  
Number of cycles run: 9608  
Av cycles for selfish strength 3.0 is 11680  
standard diviation is 11709.786429482037  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 7302  
Number of cycles run: 50000  
Number of cycles run: 5164  
Number of cycles run: 6924  
Number of cycles run: 7967  
Number of cycles run: 7074  
Number of cycles run: 7534  
Number of cycles run: 6211  
Number of cycles run: 13577  
Number of cycles run: 20386  
Number of cycles run: 8529  
Number of cycles run: 7239  
Number of cycles run: 6848  
Number of cycles run: 11161  
Number of cycles run: 6670  
Number of cycles run: 10437  
Number of cycles run: 11610  
Number of cycles run: 6666  
Number of cycles run: 9897  
Number of cycles run: 50000  
Number of cycles run: 6865  
Number of cycles run: 6448  
Number of cycles run: 26867  
Number of cycles run: 7140  
Number of cycles run: 6375  
Number of cycles run: 5589  
Number of cycles run: 7219  
Number of cycles run: 16745  
Number of cycles run: 8354  
Number of cycles run: 6248  
Number of cycles run: 6919  
Number of cycles run: 8752  
Number of cycles run: 6623  
Number of cycles run: 50000  
Number of cycles run: 7788  
Number of cycles run: 8913  
Number of cycles run: 50000  
Number of cycles run: 7333  
Number of cycles run: 9267  
Number of cycles run: 7275  
Number of cycles run: 5749  
Number of cycles run: 8051  
Number of cycles run: 6340  
Number of cycles run: 6162  
Number of cycles run: 50000  
Number of cycles run: 7323  
Number of cycles run: 6271  
Number of cycles run: 6794  
Number of cycles run: 5619  
Number of cycles run: 7028  
Av cycles for selfish strength 3.0 is 12625  
standard diviation is 13144.530049447047  
Testing average cycles for selfish strength 3.0  
Number of cycles run: 6501  
Number of cycles run: 9362  
Number of cycles run: 8470  
Number of cycles run: 8470  
Number of cycles run: 7252  
Number of cycles run: 50000  
Number of cycles run: 9608  
Number of cycles run: 5954  
Number of cycles run: 7986  
Number of cycles run: 8964  
Number of cycles run: 50000  
Number of cycles run: 9351  
Number of cycles run: 6865  
Number of cycles run: 5954  
Number of cycles run: 8128  
Number of cycles run: 6760  
Number of cycles run: 50000  
Number of cycles run: 10768  
Number of cycles run: 6493  
Number of cycles run: 38431  
Number of cycles run: 5558  
Number of cycles run: 7227  
Number of cycles run: 50000  
Number of cycles run: 6316  
Number of cycles run: 7430  
Number of cycles run: 7732  
Number of cycles run: 11263  
Number of cycles run: 6615  
Number of cycles run: 50000  
Number of cycles run: 7680  
Number of cycles run: 16300  
Number of cycles run: 6277  
Number of cycles run: 8996  
Number of cycles run: 6095  
Number of cycles run: 6576  
Number of cycles run: 50000  
Number of cycles run: 9739  
Number of cycles run: 9753  
Number of cycles run: 6761  
Number of cycles run: 50000  
Number of cycles run: 6813  
Number of cycles run: 29090  
Number of cycles run: 6514  
Number of cycles run: 6319  
Number of cycles run: 6180  
Number of cycles run: 8229  
Number of cycles run: 20699  
Number of cycles run: 20467  
Number of cycles run: 50000  
Number of cycles run: 50000  
Av cycles for selfish strength 3.0 is 16998  
standard diviation is 16699.319516674925