Testing average cycles for selfish strength 1.0  
Number of cycles run: 4324  
Number of cycles run: 7251  
Number of cycles run: 502  
Number of cycles run: 13742  
Number of cycles run: 8785  
Number of cycles run: 7743  
Number of cycles run: 6686  
Number of cycles run: 20507  
Number of cycles run: 8445  
Number of cycles run: 5297  
Number of cycles run: 6605  
Number of cycles run: 2607  
Number of cycles run: 50000  
Number of cycles run: 676  
Number of cycles run: 10252  
Number of cycles run: 9389  
Number of cycles run: 3862  
Number of cycles run: 11409  
Number of cycles run: 10982  
Number of cycles run: 3049  
Number of cycles run: 3954  
Number of cycles run: 2775  
Number of cycles run: 940  
Number of cycles run: 48318  
Number of cycles run: 1093  
Number of cycles run: 4047  
Number of cycles run: 18615  
Number of cycles run: 6663  
Number of cycles run: 8066  
Number of cycles run: 11614  
Number of cycles run: 7168  
Number of cycles run: 50000  
Number of cycles run: 9120  
Number of cycles run: 6542  
Number of cycles run: 50000  
Number of cycles run: 35955  
Number of cycles run: 5337  
Number of cycles run: 6148  
Number of cycles run: 22556  
Number of cycles run: 5661  
Number of cycles run: 2965  
Number of cycles run: 50000  
Number of cycles run: 9659  
Number of cycles run: 50000  
Number of cycles run: 39553  
Number of cycles run: 10562  
Number of cycles run: 50000  
Number of cycles run: 14750  
Number of cycles run: 50000  
Number of cycles run: 2981  
Av cycles for selfish strength 1.0 is 15543  
standard diviation is 16873.395055651417  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 2796  
Number of cycles run: 4032  
Number of cycles run: 12225  
Number of cycles run: 5772  
Number of cycles run: 5664  
Number of cycles run: 12408  
Number of cycles run: 13275  
Number of cycles run: 13571  
Number of cycles run: 50000  
Number of cycles run: 8312  
Number of cycles run: 8145  
Number of cycles run: 5341  
Number of cycles run: 3146  
Number of cycles run: 5662  
Number of cycles run: 13284  
Number of cycles run: 19461  
Number of cycles run: 11354  
Number of cycles run: 2872  
Number of cycles run: 26410  
Number of cycles run: 11349  
Number of cycles run: 10438  
Number of cycles run: 10686  
Number of cycles run: 31656  
Number of cycles run: 8656  
Number of cycles run: 8315  
Number of cycles run: 1049  
Number of cycles run: 50000  
Number of cycles run: 10391  
Number of cycles run: 3972  
Number of cycles run: 15209  
Number of cycles run: 10844  
Number of cycles run: 37930  
Number of cycles run: 6834  
Number of cycles run: 8638  
Number of cycles run: 2370  
Number of cycles run: 10797  
Number of cycles run: 3854  
Number of cycles run: 13644  
Number of cycles run: 6993  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 29366  
Number of cycles run: 17392  
Number of cycles run: 50000  
Number of cycles run: 6907  
Number of cycles run: 5982  
Number of cycles run: 2424  
Number of cycles run: 3494  
Number of cycles run: 7356  
Number of cycles run: 6061  
Av cycles for selfish strength 1.0 is 14326  
standard diviation is 14176.368885146687  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 19404  
Number of cycles run: 6451  
Number of cycles run: 7297  
Number of cycles run: 50000  
Number of cycles run: 20340  
Number of cycles run: 1137  
Number of cycles run: 12498  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6841  
Number of cycles run: 6453  
Number of cycles run: 11962  
Number of cycles run: 10514  
Number of cycles run: 2678  
Number of cycles run: 5197  
Number of cycles run: 1891  
Number of cycles run: 13716  
Number of cycles run: 50000  
Number of cycles run: 8303  
Number of cycles run: 50000  
Number of cycles run: 628  
Number of cycles run: 50000  
Number of cycles run: 8461  
Number of cycles run: 9751  
Number of cycles run: 6630  
Number of cycles run: 8550  
Number of cycles run: 50000  
Number of cycles run: 7928  
Number of cycles run: 10802  
Number of cycles run: 7397  
Number of cycles run: 50000  
Number of cycles run: 19285  
Number of cycles run: 7850  
Number of cycles run: 704  
Number of cycles run: 50000  
Number of cycles run: 2005  
Number of cycles run: 7395  
Number of cycles run: 50000  
Number of cycles run: 10328  
Number of cycles run: 50000  
Number of cycles run: 9983  
Number of cycles run: 7478  
Number of cycles run: 7957  
Number of cycles run: 4186  
Number of cycles run: 10146  
Number of cycles run: 6264  
Number of cycles run: 12817  
Number of cycles run: 8957  
Number of cycles run: 37634  
Number of cycles run: 6155  
Av cycles for selfish strength 1.0 is 18079  
standard diviation is 18087.77989807551  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 6368  
Number of cycles run: 8053  
Number of cycles run: 5921  
Number of cycles run: 50000  
Number of cycles run: 9471  
Number of cycles run: 11781  
Number of cycles run: 8988  
Number of cycles run: 50000  
Number of cycles run: 1069  
Number of cycles run: 50000  
Number of cycles run: 1910  
Number of cycles run: 14708  
Number of cycles run: 6540  
Number of cycles run: 26486  
Number of cycles run: 2454  
Number of cycles run: 15199  
Number of cycles run: 6576  
Number of cycles run: 50000  
Number of cycles run: 2921  
Number of cycles run: 6921  
Number of cycles run: 16898  
Number of cycles run: 33650  
Number of cycles run: 6975  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6050  
Number of cycles run: 8184  
Number of cycles run: 50000  
Number of cycles run: 8928  
Number of cycles run: 12783  
Number of cycles run: 8923  
Number of cycles run: 50000  
Number of cycles run: 12176  
Number of cycles run: 10576  
Number of cycles run: 18813  
Number of cycles run: 16715  
Number of cycles run: 946  
Number of cycles run: 9138  
Number of cycles run: 13863  
Number of cycles run: 4269  
Number of cycles run: 8147  
Number of cycles run: 17401  
Number of cycles run: 8063  
Number of cycles run: 4947  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 21047  
Number of cycles run: 4114  
Number of cycles run: 6707  
Av cycles for selfish strength 1.0 is 18893  
standard diviation is 17755.753548788238  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 10346  
Number of cycles run: 50000  
Number of cycles run: 5018  
Number of cycles run: 11254  
Number of cycles run: 1725  
Number of cycles run: 504  
Number of cycles run: 50000  
Number of cycles run: 10858  
Number of cycles run: 5594  
Number of cycles run: 6805  
Number of cycles run: 20375  
Number of cycles run: 10160  
Number of cycles run: 10953  
Number of cycles run: 6186  
Number of cycles run: 50000  
Number of cycles run: 453  
Number of cycles run: 7160  
Number of cycles run: 5119  
Number of cycles run: 8164  
Number of cycles run: 466  
Number of cycles run: 9212  
Number of cycles run: 11631  
Number of cycles run: 4497  
Number of cycles run: 1312  
Number of cycles run: 589  
Number of cycles run: 50000  
Number of cycles run: 4405  
Number of cycles run: 12023  
Number of cycles run: 14741  
Number of cycles run: 4572  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 11284  
Number of cycles run: 720  
Number of cycles run: 4849  
Number of cycles run: 9437  
Number of cycles run: 4596  
Number of cycles run: 4818  
Number of cycles run: 11567  
Number of cycles run: 8391  
Number of cycles run: 7397  
Number of cycles run: 7307  
Number of cycles run: 550  
Number of cycles run: 19922  
Number of cycles run: 4277  
Number of cycles run: 24557  
Number of cycles run: 50000  
Number of cycles run: 2326  
Number of cycles run: 24519  
Number of cycles run: 5618  
Av cycles for selfish strength 1.0 is 13725  
standard diviation is 15816.618480689023  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6403  
Number of cycles run: 50000  
Number of cycles run: 6920  
Number of cycles run: 10246  
Number of cycles run: 6748  
Number of cycles run: 50000  
Number of cycles run: 3191  
Number of cycles run: 33489  
Number of cycles run: 9638  
Number of cycles run: 2244  
Number of cycles run: 7615  
Number of cycles run: 13790  
Number of cycles run: 50000  
Number of cycles run: 639  
Number of cycles run: 8019  
Number of cycles run: 14425  
Number of cycles run: 50000  
Number of cycles run: 7676  
Number of cycles run: 50000  
Number of cycles run: 24081

Number of cycles run: 5775  
Number of cycles run: 3678  
Number of cycles run: 7395  
Number of cycles run: 2034  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7631  
Number of cycles run: 1092  
Number of cycles run: 50000  
Number of cycles run: 7519  
Number of cycles run: 1073  
Number of cycles run: 18228  
Number of cycles run: 531  
Number of cycles run: 7233  
Number of cycles run: 3049  
Number of cycles run: 8485  
Number of cycles run: 6887  
Number of cycles run: 9059  
Number of cycles run: 456  
Number of cycles run: 13839  
Number of cycles run: 50000  
Number of cycles run: 47124  
Number of cycles run: 13741  
Number of cycles run: 1109  
Number of cycles run: 7802  
Number of cycles run: 4507  
Number of cycles run: 43985  
Number of cycles run: 9237  
Av cycles for selfish strength 1.0 is 18731  
standard diviation is 19223.042605706734  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 4929  
Number of cycles run: 45966  
Number of cycles run: 484  
Number of cycles run: 9699  
Number of cycles run: 2498  
Number of cycles run: 10011  
Number of cycles run: 25196  
Number of cycles run: 50000  
Number of cycles run: 715  
Number of cycles run: 20073  
Number of cycles run: 6025  
Number of cycles run: 9386  
Number of cycles run: 50000  
Number of cycles run: 7648  
Number of cycles run: 2759  
Number of cycles run: 2395  
Number of cycles run: 945  
Number of cycles run: 1719  
Number of cycles run: 17265  
Number of cycles run: 9353  
Number of cycles run: 8467  
Number of cycles run: 9338  
Number of cycles run: 762  
Number of cycles run: 50000  
Number of cycles run: 14497  
Number of cycles run: 14703  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 1859  
Number of cycles run: 5772  
Number of cycles run: 10543  
Number of cycles run: 5615  
Number of cycles run: 4102  
Number of cycles run: 699  
Number of cycles run: 7149  
Number of cycles run: 14805  
Number of cycles run: 1335  
Number of cycles run: 953  
Number of cycles run: 8797  
Number of cycles run: 29489  
Number of cycles run: 13813  
Number of cycles run: 18672  
Number of cycles run: 11301  
Number of cycles run: 19267  
Number of cycles run: 23286  
Number of cycles run: 17825  
Number of cycles run: 7558  
Number of cycles run: 50000  
Number of cycles run: 6593  
Number of cycles run: 13549  
Av cycles for selfish strength 1.0 is 14956  
standard diviation is 15624.659684457196  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 9083  
Number of cycles run: 7022  
Number of cycles run: 6582  
Number of cycles run: 50000  
Number of cycles run: 48151  
Number of cycles run: 8436  
Number of cycles run: 12204  
Number of cycles run: 3258  
Number of cycles run: 930  
Number of cycles run: 751  
Number of cycles run: 8058  
Number of cycles run: 11740  
Number of cycles run: 9961  
Number of cycles run: 734  
Number of cycles run: 8629  
Number of cycles run: 5329  
Number of cycles run: 15876  
Number of cycles run: 8445  
Number of cycles run: 50000  
Number of cycles run: 6302  
Number of cycles run: 10063  
Number of cycles run: 4742  
Number of cycles run: 8230  
Number of cycles run: 488  
Number of cycles run: 5858  
Number of cycles run: 755  
Number of cycles run: 6555  
Number of cycles run: 4642  
Number of cycles run: 10228  
Number of cycles run: 30244  
Number of cycles run: 10270  
Number of cycles run: 10280  
Number of cycles run: 19096  
Number of cycles run: 8914  
Number of cycles run: 4917  
Number of cycles run: 13728  
Number of cycles run: 8302  
Number of cycles run: 43612  
Number of cycles run: 50000  
Number of cycles run: 42847  
Number of cycles run: 489  
Number of cycles run: 4547  
Number of cycles run: 9436  
Number of cycles run: 49236  
Number of cycles run: 5241  
Number of cycles run: 50000  
Number of cycles run: 16213  
Number of cycles run: 50000  
Number of cycles run: 4908  
Number of cycles run: 5392  
Av cycles for selfish strength 1.0 is 15214  
standard diviation is 16464.554901102812  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 50000  
Number of cycles run: 9725  
Number of cycles run: 12617  
Number of cycles run: 621  
Number of cycles run: 18004  
Number of cycles run: 12945  
Number of cycles run: 50000  
Number of cycles run: 5757  
Number of cycles run: 9667  
Number of cycles run: 8861  
Number of cycles run: 9077  
Number of cycles run: 50000  
Number of cycles run: 4042  
Number of cycles run: 27376  
Number of cycles run: 11337  
Number of cycles run: 50000  
Number of cycles run: 2131  
Number of cycles run: 2537  
Number of cycles run: 50000  
Number of cycles run: 12555  
Number of cycles run: 11472  
Number of cycles run: 821  
Number of cycles run: 12510  
Number of cycles run: 7312  
Number of cycles run: 15432  
Number of cycles run: 10671  
Number of cycles run: 5521  
Number of cycles run: 10449  
Number of cycles run: 3047  
Number of cycles run: 5597  
Number of cycles run: 9664  
Number of cycles run: 10083  
Number of cycles run: 808  
Number of cycles run: 8562  
Number of cycles run: 11237  
Number of cycles run: 5884  
Number of cycles run: 8156  
Number of cycles run: 14067  
Number of cycles run: 4721  
Number of cycles run: 31830  
Number of cycles run: 6824  
Number of cycles run: 50000  
Number of cycles run: 5079  
Number of cycles run: 50000  
Number of cycles run: 3126  
Number of cycles run: 8478  
Number of cycles run: 35953  
Number of cycles run: 28725  
Number of cycles run: 8553  
Number of cycles run: 50000  
Av cycles for selfish strength 1.0 is 16636  
standard diviation is 16417.092930956853  
Testing average cycles for selfish strength 1.0  
Number of cycles run: 21520  
Number of cycles run: 4523  
Number of cycles run: 50000  
Number of cycles run: 10628  
Number of cycles run: 18524  
Number of cycles run: 50000  
Number of cycles run: 7829  
Number of cycles run: 495  
Number of cycles run: 19523  
Number of cycles run: 6575  
Number of cycles run: 1835  
Number of cycles run: 40597  
Number of cycles run: 14169  
Number of cycles run: 7295  
Number of cycles run: 8433  
Number of cycles run: 3160  
Number of cycles run: 50000  
Number of cycles run: 11276  
Number of cycles run: 50000  
Number of cycles run: 543  
Number of cycles run: 28106  
Number of cycles run: 2842  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 21516  
Number of cycles run: 5231  
Number of cycles run: 12444  
Number of cycles run: 3429  
Number of cycles run: 3423  
Number of cycles run: 17179  
Number of cycles run: 15305  
Number of cycles run: 7902  
Number of cycles run: 11561  
Number of cycles run: 11161  
Number of cycles run: 16344  
Number of cycles run: 14778  
Number of cycles run: 1515  
Number of cycles run: 6013  
Number of cycles run: 12323  
Number of cycles run: 15022  
Number of cycles run: 10664  
Number of cycles run: 1957  
Number of cycles run: 922  
Number of cycles run: 6049  
Number of cycles run: 3610  
Number of cycles run: 1020  
Number of cycles run: 25926  
Number of cycles run: 13550  
Number of cycles run: 50000  
Av cycles for selfish strength 1.0 is 16934  
standard diviation is 16564.02411499213