Testing average cycles for selfish strength 2.0  
Number of cycles run: 33740  
Number of cycles run: 5716  
Number of cycles run: 11658  
Number of cycles run: 13150  
Number of cycles run: 4404  
Number of cycles run: 50000  
Number of cycles run: 13415  
Number of cycles run: 6807  
Number of cycles run: 497  
Number of cycles run: 7749  
Number of cycles run: 2596  
Number of cycles run: 491  
Number of cycles run: 10435  
Number of cycles run: 8270  
Number of cycles run: 6808  
Number of cycles run: 29526  
Number of cycles run: 5561  
Number of cycles run: 28840  
Number of cycles run: 811  
Number of cycles run: 15339  
Number of cycles run: 11428  
Number of cycles run: 3851  
Number of cycles run: 50000  
Number of cycles run: 8228  
Number of cycles run: 12918  
Number of cycles run: 43351  
Number of cycles run: 10143  
Number of cycles run: 13133  
Number of cycles run: 7715  
Number of cycles run: 499  
Number of cycles run: 12815  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 3499  
Number of cycles run: 10014  
Number of cycles run: 6591  
Number of cycles run: 10158  
Number of cycles run: 7848  
Number of cycles run: 11290  
Number of cycles run: 2242  
Number of cycles run: 12307  
Number of cycles run: 8294  
Number of cycles run: 9993  
Number of cycles run: 35026  
Number of cycles run: 11799  
Number of cycles run: 50000  
Number of cycles run: 15076  
Number of cycles run: 12333  
Number of cycles run: 1810  
Av cycles for selfish strength 2.0 is 15763  
standard diviation is 15546.659151898397  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 5602  
Number of cycles run: 6963  
Number of cycles run: 591  
Number of cycles run: 8993  
Number of cycles run: 2959  
Number of cycles run: 1688  
Number of cycles run: 11610  
Number of cycles run: 12518  
Number of cycles run: 9175  
Number of cycles run: 6476  
Number of cycles run: 13608  
Number of cycles run: 28541  
Number of cycles run: 11712  
Number of cycles run: 2816  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 674  
Number of cycles run: 8036  
Number of cycles run: 12909  
Number of cycles run: 12157  
Number of cycles run: 474  
Number of cycles run: 4445  
Number of cycles run: 9909  
Number of cycles run: 3516  
Number of cycles run: 32785  
Number of cycles run: 8044  
Number of cycles run: 50000  
Number of cycles run: 27940  
Number of cycles run: 7411  
Number of cycles run: 2523  
Number of cycles run: 7887  
Number of cycles run: 4882  
Number of cycles run: 613  
Number of cycles run: 10661  
Number of cycles run: 9359  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 28137  
Number of cycles run: 7247  
Number of cycles run: 7009  
Number of cycles run: 6091  
Number of cycles run: 50000  
Number of cycles run: 5634  
Number of cycles run: 50000  
Number of cycles run: 19143  
Number of cycles run: 9269  
Number of cycles run: 7287  
Number of cycles run: 10429  
Number of cycles run: 5362  
Av cycles for selfish strength 2.0 is 15861  
standard diviation is 16622.958753618135  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 50000  
Number of cycles run: 47279  
Number of cycles run: 2151  
Number of cycles run: 6528  
Number of cycles run: 30218  
Number of cycles run: 13386  
Number of cycles run: 50000  
Number of cycles run: 11508  
Number of cycles run: 12246  
Number of cycles run: 50000  
Number of cycles run: 1912  
Number of cycles run: 35379  
Number of cycles run: 5055  
Number of cycles run: 612  
Number of cycles run: 4009  
Number of cycles run: 2232  
Number of cycles run: 7143  
Number of cycles run: 40021  
Number of cycles run: 8296  
Number of cycles run: 9420  
Number of cycles run: 464  
Number of cycles run: 2850  
Number of cycles run: 18574  
Number of cycles run: 37948  
Number of cycles run: 8428  
Number of cycles run: 50000  
Number of cycles run: 9985  
Number of cycles run: 47643  
Number of cycles run: 4904  
Number of cycles run: 14614  
Number of cycles run: 9975  
Number of cycles run: 11390  
Number of cycles run: 7624  
Number of cycles run: 7188  
Number of cycles run: 10287  
Number of cycles run: 6591  
Number of cycles run: 5357  
Number of cycles run: 50000  
Number of cycles run: 634  
Number of cycles run: 779  
Number of cycles run: 621  
Number of cycles run: 963  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5302  
Number of cycles run: 702  
Number of cycles run: 7040  
Number of cycles run: 7372  
Number of cycles run: 9568  
Number of cycles run: 2114  
Av cycles for selfish strength 2.0 is 16526  
standard diviation is 17975.847102244312  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 9397  
Number of cycles run: 9025  
Number of cycles run: 14355  
Number of cycles run: 15786  
Number of cycles run: 8201  
Number of cycles run: 1149  
Number of cycles run: 1105  
Number of cycles run: 6792  
Number of cycles run: 8059  
Number of cycles run: 2776  
Number of cycles run: 1900  
Number of cycles run: 50000  
Number of cycles run: 11643  
Number of cycles run: 6865  
Number of cycles run: 19014  
Number of cycles run: 9916  
Number of cycles run: 12160  
Number of cycles run: 11799  
Number of cycles run: 6302  
Number of cycles run: 20894  
Number of cycles run: 12536  
Number of cycles run: 50000  
Number of cycles run: 14918  
Number of cycles run: 11128  
Number of cycles run: 6984  
Number of cycles run: 23037  
Number of cycles run: 50000  
Number of cycles run: 11378  
Number of cycles run: 13765  
Number of cycles run: 22295  
Number of cycles run: 16026  
Number of cycles run: 13660  
Number of cycles run: 1893  
Number of cycles run: 50000  
Number of cycles run: 13009  
Number of cycles run: 13321  
Number of cycles run: 10431  
Number of cycles run: 3553  
Number of cycles run: 10156  
Number of cycles run: 1063  
Number of cycles run: 7216  
Number of cycles run: 8343  
Number of cycles run: 5023  
Number of cycles run: 2603  
Number of cycles run: 849  
Number of cycles run: 11508  
Number of cycles run: 9760  
Number of cycles run: 6174  
Number of cycles run: 4783  
Number of cycles run: 9270  
Av cycles for selfish strength 2.0 is 12836  
standard diviation is 12315.486169528052  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 2509  
Number of cycles run: 6977  
Number of cycles run: 11969  
Number of cycles run: 6456  
Number of cycles run: 2158  
Number of cycles run: 9833  
Number of cycles run: 50000  
Number of cycles run: 12049  
Number of cycles run: 3987  
Number of cycles run: 25580  
Number of cycles run: 50000  
Number of cycles run: 8743  
Number of cycles run: 50000  
Number of cycles run: 1706  
Number of cycles run: 4927  
Number of cycles run: 14171  
Number of cycles run: 21319  
Number of cycles run: 14648  
Number of cycles run: 17845  
Number of cycles run: 14658  
Number of cycles run: 8116  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12547  
Number of cycles run: 5236  
Number of cycles run: 48308  
Number of cycles run: 4341  
Number of cycles run: 1715  
Number of cycles run: 7690  
Number of cycles run: 7265  
Number of cycles run: 50000  
Number of cycles run: 13003  
Number of cycles run: 11483  
Number of cycles run: 15032  
Number of cycles run: 8014  
Number of cycles run: 484  
Number of cycles run: 14643  
Number of cycles run: 50000  
Number of cycles run: 20416  
Number of cycles run: 50000  
Number of cycles run: 5351  
Number of cycles run: 8929  
Number of cycles run: 7646  
Number of cycles run: 12496  
Number of cycles run: 23474  
Number of cycles run: 50000  
Number of cycles run: 14209  
Number of cycles run: 855  
Number of cycles run: 10047  
Number of cycles run: 14748  
Av cycles for selfish strength 2.0 is 18111  
standard diviation is 16961.901874747757  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 940  
Number of cycles run: 4538  
Number of cycles run: 24007  
Number of cycles run: 12252  
Number of cycles run: 4691  
Number of cycles run: 18126  
Number of cycles run: 5952  
Number of cycles run: 824  
Number of cycles run: 8910  
Number of cycles run: 50000  
Number of cycles run: 8166  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 3227  
Number of cycles run: 12245  
Number of cycles run: 19635  
Number of cycles run: 10161  
Number of cycles run: 13168  
Number of cycles run: 13020  
Number of cycles run: 7999  
Number of cycles run: 3749  
Number of cycles run: 14649

Number of cycles run: 6311  
Number of cycles run: 5655  
Number of cycles run: 4820  
Number of cycles run: 4816  
Number of cycles run: 20084  
Number of cycles run: 7064  
Number of cycles run: 16484  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 30743  
Number of cycles run: 9614  
Number of cycles run: 9852  
Number of cycles run: 2568  
Number of cycles run: 4507  
Number of cycles run: 8078  
Number of cycles run: 8900  
Number of cycles run: 50000  
Number of cycles run: 8889  
Number of cycles run: 14588  
Number of cycles run: 8968  
Number of cycles run: 18688  
Number of cycles run: 14822  
Number of cycles run: 469  
Number of cycles run: 445  
Number of cycles run: 5898  
Number of cycles run: 13733  
Number of cycles run: 8587  
Number of cycles run: 9113  
Av cycles for selfish strength 2.0 is 14599  
standard diviation is 14554.358086715007  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 4904  
Number of cycles run: 20020  
Number of cycles run: 7500  
Number of cycles run: 7096  
Number of cycles run: 616  
Number of cycles run: 619  
Number of cycles run: 1060  
Number of cycles run: 19118  
Number of cycles run: 22557  
Number of cycles run: 7770  
Number of cycles run: 1542  
Number of cycles run: 50000  
Number of cycles run: 6354  
Number of cycles run: 50000  
Number of cycles run: 7476  
Number of cycles run: 6432  
Number of cycles run: 1744  
Number of cycles run: 3803  
Number of cycles run: 50000  
Number of cycles run: 14830  
Number of cycles run: 17055  
Number of cycles run: 9665  
Number of cycles run: 9834  
Number of cycles run: 21034  
Number of cycles run: 24878  
Number of cycles run: 32862  
Number of cycles run: 2558  
Number of cycles run: 7214  
Number of cycles run: 7619  
Number of cycles run: 753  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12790  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8834  
Number of cycles run: 8067  
Number of cycles run: 11600  
Number of cycles run: 9047  
Number of cycles run: 50000  
Number of cycles run: 28767  
Number of cycles run: 3369  
Number of cycles run: 12687  
Number of cycles run: 4122  
Number of cycles run: 1561  
Number of cycles run: 46829  
Number of cycles run: 1030  
Number of cycles run: 8822  
Number of cycles run: 9353  
Number of cycles run: 8058  
Av cycles for selfish strength 2.0 is 16836  
standard diviation is 17129.38057601498  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 17769  
Number of cycles run: 18231  
Number of cycles run: 5384  
Number of cycles run: 50000  
Number of cycles run: 4699  
Number of cycles run: 12851  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 11391  
Number of cycles run: 7134  
Number of cycles run: 7328  
Number of cycles run: 12944  
Number of cycles run: 9863  
Number of cycles run: 20138  
Number of cycles run: 1079  
Number of cycles run: 6748  
Number of cycles run: 7155  
Number of cycles run: 5518  
Number of cycles run: 1111  
Number of cycles run: 17824  
Number of cycles run: 9428  
Number of cycles run: 10805  
Number of cycles run: 7255  
Number of cycles run: 8498  
Number of cycles run: 12621  
Number of cycles run: 7014  
Number of cycles run: 10833  
Number of cycles run: 21494  
Number of cycles run: 6915  
Number of cycles run: 23251  
Number of cycles run: 36332  
Number of cycles run: 50000  
Number of cycles run: 524  
Number of cycles run: 25344  
Number of cycles run: 5671  
Number of cycles run: 50000  
Number of cycles run: 8700  
Number of cycles run: 50000  
Number of cycles run: 10711  
Number of cycles run: 6939  
Number of cycles run: 14876  
Number of cycles run: 8226  
Number of cycles run: 50000  
Number of cycles run: 9982  
Number of cycles run: 2003  
Number of cycles run: 16820  
Number of cycles run: 8418  
Number of cycles run: 50000  
Number of cycles run: 7295  
Av cycles for selfish strength 2.0 is 17942  
standard diviation is 16511.859598309504  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 12200  
Number of cycles run: 8248  
Number of cycles run: 2504  
Number of cycles run: 31311  
Number of cycles run: 1449  
Number of cycles run: 1157  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9380  
Number of cycles run: 50000  
Number of cycles run: 9679  
Number of cycles run: 3606  
Number of cycles run: 16478  
Number of cycles run: 50000  
Number of cycles run: 7974  
Number of cycles run: 47547  
Number of cycles run: 10900  
Number of cycles run: 17551  
Number of cycles run: 4222  
Number of cycles run: 14630  
Number of cycles run: 600  
Number of cycles run: 12415  
Number of cycles run: 1673  
Number of cycles run: 685  
Number of cycles run: 5453  
Number of cycles run: 1101  
Number of cycles run: 2480  
Number of cycles run: 10232  
Number of cycles run: 50000  
Number of cycles run: 6125  
Number of cycles run: 11960  
Number of cycles run: 10428  
Number of cycles run: 9886  
Number of cycles run: 2769  
Number of cycles run: 3321  
Number of cycles run: 50000  
Number of cycles run: 29750  
Number of cycles run: 16639  
Number of cycles run: 12227  
Number of cycles run: 7838  
Number of cycles run: 2165  
Number of cycles run: 50000  
Number of cycles run: 13789  
Number of cycles run: 50000  
Number of cycles run: 2313  
Number of cycles run: 31907  
Number of cycles run: 9045  
Number of cycles run: 3122  
Number of cycles run: 39887  
Number of cycles run: 13467  
Av cycles for selfish strength 2.0 is 17202  
standard diviation is 17508.32595618905  
Testing average cycles for selfish strength 2.0  
Number of cycles run: 32600  
Number of cycles run: 8326  
Number of cycles run: 5671  
Number of cycles run: 3488  
Number of cycles run: 8589  
Number of cycles run: 10489  
Number of cycles run: 8054  
Number of cycles run: 10781  
Number of cycles run: 1878  
Number of cycles run: 50000  
Number of cycles run: 8091  
Number of cycles run: 7397  
Number of cycles run: 24222  
Number of cycles run: 7423  
Number of cycles run: 734  
Number of cycles run: 11524  
Number of cycles run: 6502  
Number of cycles run: 3681  
Number of cycles run: 3067  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 16033  
Number of cycles run: 29891  
Number of cycles run: 1022  
Number of cycles run: 2560  
Number of cycles run: 3210  
Number of cycles run: 18881  
Number of cycles run: 8720  
Number of cycles run: 50000  
Number of cycles run: 4686  
Number of cycles run: 11206  
Number of cycles run: 11695  
Number of cycles run: 4829  
Number of cycles run: 4500  
Number of cycles run: 2135  
Number of cycles run: 964  
Number of cycles run: 50000  
Number of cycles run: 7811  
Number of cycles run: 1007  
Number of cycles run: 50000  
Number of cycles run: 23935  
Number of cycles run: 912  
Number of cycles run: 12700  
Number of cycles run: 8396  
Number of cycles run: 7671  
Number of cycles run: 50000  
Number of cycles run: 14201  
Number of cycles run: 50000  
Number of cycles run: 26952  
Number of cycles run: 50000  
Av cycles for selfish strength 2.0 is 16728  
standard diviation is 17380.329874561397