Testing average cycles for selfish strength 0.0  
Number of cycles run: 9713  
Number of cycles run: 7417  
Number of cycles run: 12730  
Number of cycles run: 12148  
Number of cycles run: 8305  
Number of cycles run: 9191  
Number of cycles run: 29427  
Number of cycles run: 9666  
Number of cycles run: 7095  
Number of cycles run: 28693  
Number of cycles run: 7357  
Number of cycles run: 6230  
Number of cycles run: 14049  
Number of cycles run: 35360  
Number of cycles run: 5717  
Number of cycles run: 11855  
Number of cycles run: 6705  
Number of cycles run: 5655  
Number of cycles run: 5940  
Number of cycles run: 50000  
Number of cycles run: 7465  
Number of cycles run: 8410  
Number of cycles run: 9524  
Number of cycles run: 5280  
Number of cycles run: 5242  
Number of cycles run: 5533  
Number of cycles run: 6439  
Number of cycles run: 31577  
Number of cycles run: 7053  
Number of cycles run: 8138  
Number of cycles run: 21095  
Number of cycles run: 5906  
Number of cycles run: 6075  
Number of cycles run: 15942  
Number of cycles run: 7338  
Number of cycles run: 5542  
Number of cycles run: 9447  
Number of cycles run: 5837  
Number of cycles run: 8125  
Number of cycles run: 10247  
Number of cycles run: 7724  
Number of cycles run: 7777  
Number of cycles run: 5237  
Number of cycles run: 9920  
Number of cycles run: 6195  
Number of cycles run: 6938  
Number of cycles run: 11543  
Number of cycles run: 50000  
Number of cycles run: 5530  
Number of cycles run: 7187  
Av cycles for selfish strength 0.0 is 11830  
standard diviation is 10526.049980861379  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 50000  
Number of cycles run: 6575  
Number of cycles run: 10344  
Number of cycles run: 7456  
Number of cycles run: 7563  
Number of cycles run: 5419  
Number of cycles run: 5765  
Number of cycles run: 7612  
Number of cycles run: 5600  
Number of cycles run: 39450  
Number of cycles run: 14931  
Number of cycles run: 17414  
Number of cycles run: 8196  
Number of cycles run: 8726  
Number of cycles run: 6792  
Number of cycles run: 5117  
Number of cycles run: 7948  
Number of cycles run: 50000  
Number of cycles run: 10379  
Number of cycles run: 25797  
Number of cycles run: 8125  
Number of cycles run: 8219  
Number of cycles run: 5190  
Number of cycles run: 19116  
Number of cycles run: 50000  
Number of cycles run: 6017  
Number of cycles run: 6454  
Number of cycles run: 5901  
Number of cycles run: 16483  
Number of cycles run: 35228  
Number of cycles run: 11110  
Number of cycles run: 8717  
Number of cycles run: 5977  
Number of cycles run: 8793  
Number of cycles run: 8739  
Number of cycles run: 9145  
Number of cycles run: 6170  
Number of cycles run: 9621  
Number of cycles run: 6062  
Number of cycles run: 7573  
Number of cycles run: 6528  
Number of cycles run: 5838  
Number of cycles run: 5375  
Number of cycles run: 50000  
Number of cycles run: 5902  
Number of cycles run: 5223  
Number of cycles run: 6237  
Number of cycles run: 15358  
Number of cycles run: 8822  
Number of cycles run: 5969  
Av cycles for selfish strength 0.0 is 13179  
standard diviation is 12990.464707465946  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 7669  
Number of cycles run: 5575  
Number of cycles run: 6346  
Number of cycles run: 7496  
Number of cycles run: 34639  
Number of cycles run: 50000  
Number of cycles run: 8957  
Number of cycles run: 20993  
Number of cycles run: 4667  
Number of cycles run: 5615  
Number of cycles run: 6196  
Number of cycles run: 6559  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5670  
Number of cycles run: 15865  
Number of cycles run: 50000  
Number of cycles run: 7925  
Number of cycles run: 23288  
Number of cycles run: 50000  
Number of cycles run: 5897  
Number of cycles run: 5663  
Number of cycles run: 6115  
Number of cycles run: 7713  
Number of cycles run: 7930  
Number of cycles run: 9217  
Number of cycles run: 10152  
Number of cycles run: 7793  
Number of cycles run: 50000  
Number of cycles run: 13347  
Number of cycles run: 7434  
Number of cycles run: 50000  
Number of cycles run: 31494  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 7270  
Number of cycles run: 23973  
Number of cycles run: 5560  
Number of cycles run: 9949  
Number of cycles run: 8032  
Number of cycles run: 50000  
Number of cycles run: 33640  
Number of cycles run: 5444  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6706  
Number of cycles run: 4914  
Number of cycles run: 6178  
Number of cycles run: 8334  
Number of cycles run: 23194  
Av cycles for selfish strength 0.0 is 20468  
standard diviation is 18284.6701874794  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 6500  
Number of cycles run: 7334  
Number of cycles run: 8552  
Number of cycles run: 5819  
Number of cycles run: 5393  
Number of cycles run: 6133  
Number of cycles run: 39134  
Number of cycles run: 8770  
Number of cycles run: 5621  
Number of cycles run: 5951  
Number of cycles run: 7457  
Number of cycles run: 7042  
Number of cycles run: 6257  
Number of cycles run: 21101  
Number of cycles run: 8254  
Number of cycles run: 10722  
Number of cycles run: 8585  
Number of cycles run: 7727  
Number of cycles run: 13028  
Number of cycles run: 50000  
Number of cycles run: 9475  
Number of cycles run: 7279  
Number of cycles run: 50000  
Number of cycles run: 7330  
Number of cycles run: 6413  
Number of cycles run: 10231  
Number of cycles run: 7431  
Number of cycles run: 5922  
Number of cycles run: 6674  
Number of cycles run: 6579  
Number of cycles run: 8453  
Number of cycles run: 6293  
Number of cycles run: 6077  
Number of cycles run: 50000  
Number of cycles run: 5721  
Number of cycles run: 5298  
Number of cycles run: 50000  
Number of cycles run: 7140  
Number of cycles run: 17340  
Number of cycles run: 6275  
Number of cycles run: 20585  
Number of cycles run: 6737  
Number of cycles run: 6667  
Number of cycles run: 6623  
Number of cycles run: 7639  
Number of cycles run: 5752  
Number of cycles run: 7979  
Number of cycles run: 6315  
Number of cycles run: 6988  
Number of cycles run: 8363  
Av cycles for selfish strength 0.0 is 12059  
standard diviation is 12569.137027656274  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 10955  
Number of cycles run: 6902  
Number of cycles run: 22994  
Number of cycles run: 29523  
Number of cycles run: 5656  
Number of cycles run: 7159  
Number of cycles run: 14663  
Number of cycles run: 11243  
Number of cycles run: 5844  
Number of cycles run: 50000  
Number of cycles run: 12623  
Number of cycles run: 10336  
Number of cycles run: 6836  
Number of cycles run: 6778  
Number of cycles run: 5301  
Number of cycles run: 6571  
Number of cycles run: 50000  
Number of cycles run: 5250  
Number of cycles run: 6382  
Number of cycles run: 15364  
Number of cycles run: 6369  
Number of cycles run: 6542  
Number of cycles run: 5415  
Number of cycles run: 35820  
Number of cycles run: 9994  
Number of cycles run: 5880  
Number of cycles run: 16231  
Number of cycles run: 6059  
Number of cycles run: 6014  
Number of cycles run: 7871  
Number of cycles run: 7624  
Number of cycles run: 9582  
Number of cycles run: 50000  
Number of cycles run: 7813  
Number of cycles run: 9277  
Number of cycles run: 5863  
Number of cycles run: 22588  
Number of cycles run: 6547  
Number of cycles run: 7225  
Number of cycles run: 6132  
Number of cycles run: 6157  
Number of cycles run: 8264  
Number of cycles run: 8348  
Number of cycles run: 9420  
Number of cycles run: 5336  
Number of cycles run: 8546  
Number of cycles run: 5444  
Number of cycles run: 6216  
Number of cycles run: 8612  
Number of cycles run: 6293  
Av cycles for selfish strength 0.0 is 12037  
standard diviation is 11488.651428932388  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 6368  
Number of cycles run: 6533  
Number of cycles run: 5722  
Number of cycles run: 50000  
Number of cycles run: 5353  
Number of cycles run: 5227  
Number of cycles run: 7290  
Number of cycles run: 50000  
Number of cycles run: 6110  
Number of cycles run: 50000  
Number of cycles run: 7758  
Number of cycles run: 11858  
Number of cycles run: 6163  
Number of cycles run: 9565  
Number of cycles run: 50000  
Number of cycles run: 39936  
Number of cycles run: 50000  
Number of cycles run: 6523  
Number of cycles run: 7087  
Number of cycles run: 6198  
Number of cycles run: 50000  
Number of cycles run: 7289  
Number of cycles run: 9558

Number of cycles run: 5375  
Number of cycles run: 9645  
Number of cycles run: 47016  
Number of cycles run: 7755  
Number of cycles run: 7666  
Number of cycles run: 7512  
Number of cycles run: 7014  
Number of cycles run: 6315  
Number of cycles run: 50000  
Number of cycles run: 13106  
Number of cycles run: 50000  
Number of cycles run: 5696  
Number of cycles run: 6672  
Number of cycles run: 9925  
Number of cycles run: 6508  
Number of cycles run: 35885  
Number of cycles run: 5730  
Number of cycles run: 5567  
Number of cycles run: 6186  
Number of cycles run: 6446  
Number of cycles run: 13133  
Number of cycles run: 7627  
Number of cycles run: 12596  
Number of cycles run: 7150  
Number of cycles run: 15589  
Number of cycles run: 6648  
Number of cycles run: 26541  
Av cycles for selfish strength 0.0 is 16876  
standard diviation is 16946.352576906225  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 6200  
Number of cycles run: 6248  
Number of cycles run: 9746  
Number of cycles run: 7935  
Number of cycles run: 6460  
Number of cycles run: 6563  
Number of cycles run: 50000  
Number of cycles run: 6175  
Number of cycles run: 8229  
Number of cycles run: 6826  
Number of cycles run: 5364  
Number of cycles run: 14441  
Number of cycles run: 11459  
Number of cycles run: 9889  
Number of cycles run: 8852  
Number of cycles run: 50000  
Number of cycles run: 10591  
Number of cycles run: 6916  
Number of cycles run: 50000  
Number of cycles run: 7084  
Number of cycles run: 8312  
Number of cycles run: 6755  
Number of cycles run: 6518  
Number of cycles run: 50000  
Number of cycles run: 25380  
Number of cycles run: 16138  
Number of cycles run: 6813  
Number of cycles run: 25235  
Number of cycles run: 8593  
Number of cycles run: 7630  
Number of cycles run: 7123  
Number of cycles run: 7720  
Number of cycles run: 24506  
Number of cycles run: 48617  
Number of cycles run: 5808  
Number of cycles run: 11557  
Number of cycles run: 6405  
Number of cycles run: 34375  
Number of cycles run: 7700  
Number of cycles run: 6751  
Number of cycles run: 6293  
Number of cycles run: 4965  
Number of cycles run: 5703  
Number of cycles run: 7955  
Number of cycles run: 6109  
Number of cycles run: 6007  
Number of cycles run: 5137  
Number of cycles run: 25334  
Number of cycles run: 5491  
Number of cycles run: 50000  
Av cycles for selfish strength 0.0 is 14678  
standard diviation is 14521.909502766177  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 50000  
Number of cycles run: 6758  
Number of cycles run: 9503  
Number of cycles run: 13878  
Number of cycles run: 7404  
Number of cycles run: 8635  
Number of cycles run: 50000  
Number of cycles run: 7289  
Number of cycles run: 21359  
Number of cycles run: 6434  
Number of cycles run: 5540  
Number of cycles run: 7371  
Number of cycles run: 6261  
Number of cycles run: 6187  
Number of cycles run: 5988  
Number of cycles run: 7806  
Number of cycles run: 6669  
Number of cycles run: 17691  
Number of cycles run: 33293  
Number of cycles run: 11676  
Number of cycles run: 5648  
Number of cycles run: 8705  
Number of cycles run: 50000  
Number of cycles run: 7596  
Number of cycles run: 34332  
Number of cycles run: 11013  
Number of cycles run: 5656  
Number of cycles run: 14903  
Number of cycles run: 5752  
Number of cycles run: 10332  
Number of cycles run: 6786  
Number of cycles run: 50000  
Number of cycles run: 6695  
Number of cycles run: 50000  
Number of cycles run: 7769  
Number of cycles run: 8578  
Number of cycles run: 50000  
Number of cycles run: 17279  
Number of cycles run: 12193  
Number of cycles run: 26442  
Number of cycles run: 7413  
Number of cycles run: 5261  
Number of cycles run: 7359  
Number of cycles run: 7119  
Number of cycles run: 6442  
Number of cycles run: 5593  
Number of cycles run: 6561  
Number of cycles run: 7992  
Number of cycles run: 5445  
Number of cycles run: 6290  
Av cycles for selfish strength 0.0 is 14897  
standard diviation is 14596.37850225954  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 9777  
Number of cycles run: 6680  
Number of cycles run: 8312  
Number of cycles run: 6283  
Number of cycles run: 5130  
Number of cycles run: 5859  
Number of cycles run: 26761  
Number of cycles run: 5669  
Number of cycles run: 8098  
Number of cycles run: 50000  
Number of cycles run: 14391  
Number of cycles run: 50000  
Number of cycles run: 5426  
Number of cycles run: 6501  
Number of cycles run: 13447  
Number of cycles run: 50000  
Number of cycles run: 5429  
Number of cycles run: 7650  
Number of cycles run: 5600  
Number of cycles run: 6768  
Number of cycles run: 6884  
Number of cycles run: 6805  
Number of cycles run: 24051  
Number of cycles run: 7360  
Number of cycles run: 6451  
Number of cycles run: 7650  
Number of cycles run: 6805  
Number of cycles run: 5567  
Number of cycles run: 9290  
Number of cycles run: 7123  
Number of cycles run: 7060  
Number of cycles run: 15492  
Number of cycles run: 9516  
Number of cycles run: 7077  
Number of cycles run: 6888  
Number of cycles run: 9268  
Number of cycles run: 6723  
Number of cycles run: 14920  
Number of cycles run: 11318  
Number of cycles run: 6542  
Number of cycles run: 8407  
Number of cycles run: 5589  
Number of cycles run: 47698  
Number of cycles run: 28180  
Number of cycles run: 6527  
Number of cycles run: 8554  
Number of cycles run: 6118  
Number of cycles run: 40236  
Number of cycles run: 21513  
Number of cycles run: 5676  
Av cycles for selfish strength 0.0 is 13181  
standard diviation is 12811.227832137669  
Testing average cycles for selfish strength 0.0  
Number of cycles run: 50000  
Number of cycles run: 41640  
Number of cycles run: 5492  
Number of cycles run: 8882  
Number of cycles run: 7705  
Number of cycles run: 7062  
Number of cycles run: 16841  
Number of cycles run: 5492  
Number of cycles run: 6452  
Number of cycles run: 6373  
Number of cycles run: 8230  
Number of cycles run: 11647  
Number of cycles run: 8124  
Number of cycles run: 7839  
Number of cycles run: 6097  
Number of cycles run: 11916  
Number of cycles run: 5704  
Number of cycles run: 5830  
Number of cycles run: 20848  
Number of cycles run: 5727  
Number of cycles run: 6153  
Number of cycles run: 15414  
Number of cycles run: 50000  
Number of cycles run: 6921  
Number of cycles run: 50000  
Number of cycles run: 9315  
Number of cycles run: 6098  
Number of cycles run: 14000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6827  
Number of cycles run: 8879  
Number of cycles run: 9495  
Number of cycles run: 5957  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12983  
Number of cycles run: 8555  
Number of cycles run: 11004  
Number of cycles run: 6760  
Number of cycles run: 17117  
Number of cycles run: 6406  
Number of cycles run: 5700  
Number of cycles run: 6168  
Number of cycles run: 11251  
Number of cycles run: 6578  
Number of cycles run: 8071  
Number of cycles run: 6431  
Number of cycles run: 10214  
Number of cycles run: 7666  
Av cycles for selfish strength 0.0 is 15237  
standard diviation is 15273.269167498398