Testing average cycles for selfish strength 3.5  
Number of cycles run: 6485  
Number of cycles run: 7721  
Number of cycles run: 10609  
Number of cycles run: 7380  
Number of cycles run: 7644  
Number of cycles run: 6599  
Number of cycles run: 6662  
Number of cycles run: 15966  
Number of cycles run: 6084  
Number of cycles run: 9140  
Number of cycles run: 6087  
Number of cycles run: 12641  
Number of cycles run: 7480  
Number of cycles run: 7065  
Number of cycles run: 7631  
Number of cycles run: 7442  
Number of cycles run: 11567  
Number of cycles run: 16290  
Number of cycles run: 5763  
Number of cycles run: 9906  
Number of cycles run: 6278  
Number of cycles run: 6361  
Number of cycles run: 6972  
Number of cycles run: 7483  
Number of cycles run: 6877  
Number of cycles run: 6487  
Number of cycles run: 7387  
Number of cycles run: 50000  
Number of cycles run: 8076  
Number of cycles run: 6201  
Number of cycles run: 5503  
Number of cycles run: 50000  
Number of cycles run: 6015  
Number of cycles run: 7830  
Number of cycles run: 7082  
Number of cycles run: 8813  
Number of cycles run: 6633  
Number of cycles run: 50000  
Number of cycles run: 10634  
Number of cycles run: 6597  
Number of cycles run: 7119  
Number of cycles run: 8275  
Number of cycles run: 6903  
Number of cycles run: 6425  
Number of cycles run: 6831  
Number of cycles run: 6047  
Number of cycles run: 15758  
Number of cycles run: 6400  
Number of cycles run: 6988  
Number of cycles run: 10105  
Av cycles for selfish strength 3.5 is 10564  
standard diviation is 10376.948598638017  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 9857  
Number of cycles run: 9160  
Number of cycles run: 27314  
Number of cycles run: 6781  
Number of cycles run: 13711  
Number of cycles run: 6148  
Number of cycles run: 9376  
Number of cycles run: 32835  
Number of cycles run: 7925  
Number of cycles run: 16789  
Number of cycles run: 15863  
Number of cycles run: 6321  
Number of cycles run: 6036  
Number of cycles run: 7021  
Number of cycles run: 6424  
Number of cycles run: 7164  
Number of cycles run: 8619  
Number of cycles run: 14224  
Number of cycles run: 8129  
Number of cycles run: 8839  
Number of cycles run: 8030  
Number of cycles run: 7582  
Number of cycles run: 5801  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 12394  
Number of cycles run: 7788  
Number of cycles run: 7141  
Number of cycles run: 5589  
Number of cycles run: 6662  
Number of cycles run: 7858  
Number of cycles run: 49874  
Number of cycles run: 9963  
Number of cycles run: 6636  
Number of cycles run: 13146  
Number of cycles run: 5063  
Number of cycles run: 13945  
Number of cycles run: 9954  
Number of cycles run: 50000  
Number of cycles run: 12966  
Number of cycles run: 9224  
Number of cycles run: 7277  
Number of cycles run: 6545  
Number of cycles run: 9291  
Number of cycles run: 7422  
Number of cycles run: 6221  
Number of cycles run: 50000  
Number of cycles run: 6623  
Number of cycles run: 5402  
Number of cycles run: 8070  
Av cycles for selfish strength 3.5 is 13700  
standard diviation is 13220.257185756676  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6994  
Number of cycles run: 9560  
Number of cycles run: 6062  
Number of cycles run: 6130  
Number of cycles run: 7532  
Number of cycles run: 6248  
Number of cycles run: 6767  
Number of cycles run: 7221  
Number of cycles run: 6829  
Number of cycles run: 9004  
Number of cycles run: 7949  
Number of cycles run: 6195  
Number of cycles run: 6334  
Number of cycles run: 12865  
Number of cycles run: 6397  
Number of cycles run: 18199  
Number of cycles run: 7520  
Number of cycles run: 7704  
Number of cycles run: 50000  
Number of cycles run: 9090  
Number of cycles run: 8772  
Number of cycles run: 7611  
Number of cycles run: 9707  
Number of cycles run: 8546  
Number of cycles run: 9373  
Number of cycles run: 6487  
Number of cycles run: 18858  
Number of cycles run: 6482  
Number of cycles run: 12510  
Number of cycles run: 5517  
Number of cycles run: 12794  
Number of cycles run: 5242  
Number of cycles run: 6305  
Number of cycles run: 29122  
Number of cycles run: 6611  
Number of cycles run: 5825  
Number of cycles run: 6976  
Number of cycles run: 6335  
Number of cycles run: 7075  
Number of cycles run: 8388  
Number of cycles run: 5999  
Number of cycles run: 7894  
Number of cycles run: 10165  
Number of cycles run: 7510  
Number of cycles run: 6740  
Number of cycles run: 50000  
Number of cycles run: 14656  
Number of cycles run: 7075  
Number of cycles run: 7046  
Number of cycles run: 6157  
Av cycles for selfish strength 3.5 is 10327  
standard diviation is 9168.86747543233  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 9742  
Number of cycles run: 8271  
Number of cycles run: 50000  
Number of cycles run: 6230  
Number of cycles run: 7392  
Number of cycles run: 7484  
Number of cycles run: 14722  
Number of cycles run: 10063  
Number of cycles run: 50000  
Number of cycles run: 6934  
Number of cycles run: 7806  
Number of cycles run: 8547  
Number of cycles run: 7551  
Number of cycles run: 8298  
Number of cycles run: 5884  
Number of cycles run: 9202  
Number of cycles run: 17546  
Number of cycles run: 50000  
Number of cycles run: 6190  
Number of cycles run: 5361  
Number of cycles run: 9368  
Number of cycles run: 8023  
Number of cycles run: 5662  
Number of cycles run: 6611  
Number of cycles run: 50000  
Number of cycles run: 6893  
Number of cycles run: 6703  
Number of cycles run: 7310  
Number of cycles run: 5760  
Number of cycles run: 7285  
Number of cycles run: 10594  
Number of cycles run: 7594  
Number of cycles run: 8342  
Number of cycles run: 5553  
Number of cycles run: 8093  
Number of cycles run: 14385  
Number of cycles run: 6133  
Number of cycles run: 9064  
Number of cycles run: 6285  
Number of cycles run: 9896  
Number of cycles run: 9015  
Number of cycles run: 19870  
Number of cycles run: 8450  
Number of cycles run: 9989  
Number of cycles run: 6648  
Number of cycles run: 7660  
Number of cycles run: 8254  
Number of cycles run: 6939  
Number of cycles run: 9834  
Number of cycles run: 6900  
Av cycles for selfish strength 3.5 is 11806  
standard diviation is 11722.746867696223  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 50000  
Number of cycles run: 5868  
Number of cycles run: 6707  
Number of cycles run: 6950  
Number of cycles run: 6824  
Number of cycles run: 8440  
Number of cycles run: 17249  
Number of cycles run: 37062  
Number of cycles run: 6647  
Number of cycles run: 8949  
Number of cycles run: 7807  
Number of cycles run: 42302  
Number of cycles run: 7977  
Number of cycles run: 6913  
Number of cycles run: 8057  
Number of cycles run: 7503  
Number of cycles run: 6246  
Number of cycles run: 15251  
Number of cycles run: 9320  
Number of cycles run: 35387  
Number of cycles run: 7016  
Number of cycles run: 6561  
Number of cycles run: 6718  
Number of cycles run: 8169  
Number of cycles run: 7497  
Number of cycles run: 8993  
Number of cycles run: 19791  
Number of cycles run: 50000  
Number of cycles run: 9164  
Number of cycles run: 5402  
Number of cycles run: 6887  
Number of cycles run: 12339  
Number of cycles run: 9032  
Number of cycles run: 5878  
Number of cycles run: 7816  
Number of cycles run: 5479  
Number of cycles run: 6693  
Number of cycles run: 50000  
Number of cycles run: 8707  
Number of cycles run: 10821  
Number of cycles run: 8651  
Number of cycles run: 10731  
Number of cycles run: 16442  
Number of cycles run: 8293  
Number of cycles run: 7395  
Number of cycles run: 7858  
Number of cycles run: 8443  
Number of cycles run: 7846  
Number of cycles run: 5905  
Number of cycles run: 9281  
Av cycles for selfish strength 3.5 is 12905  
standard diviation is 12203.492911842402  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6871  
Number of cycles run: 7877  
Number of cycles run: 6028  
Number of cycles run: 5865  
Number of cycles run: 8505  
Number of cycles run: 6750  
Number of cycles run: 43183  
Number of cycles run: 7602  
Number of cycles run: 16634  
Number of cycles run: 7638  
Number of cycles run: 8547  
Number of cycles run: 50000  
Number of cycles run: 7293  
Number of cycles run: 29473  
Number of cycles run: 6370  
Number of cycles run: 8089  
Number of cycles run: 50000  
Number of cycles run: 24046  
Number of cycles run: 6668  
Number of cycles run: 5259  
Number of cycles run: 7901  
Number of cycles run: 7790  
Number of cycles run: 7402  
Number of cycles run: 8029

Number of cycles run: 7182  
Number of cycles run: 6450  
Number of cycles run: 8044  
Number of cycles run: 26316  
Number of cycles run: 5649  
Number of cycles run: 34469  
Number of cycles run: 10178  
Number of cycles run: 9604  
Number of cycles run: 8913  
Number of cycles run: 6885  
Number of cycles run: 6408  
Number of cycles run: 8197  
Number of cycles run: 7392  
Number of cycles run: 5377  
Number of cycles run: 12984  
Number of cycles run: 8487  
Number of cycles run: 11700  
Number of cycles run: 5777  
Number of cycles run: 5972  
Number of cycles run: 8589  
Number of cycles run: 10029  
Number of cycles run: 6694  
Number of cycles run: 5574  
Number of cycles run: 10307  
Number of cycles run: 6561  
Number of cycles run: 7764  
Av cycles for selfish strength 3.5 is 11906  
standard diviation is 11021.475617268352  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 7616  
Number of cycles run: 6758  
Number of cycles run: 50000  
Number of cycles run: 6822  
Number of cycles run: 5972  
Number of cycles run: 8507  
Number of cycles run: 13406  
Number of cycles run: 6963  
Number of cycles run: 8595  
Number of cycles run: 7942  
Number of cycles run: 7569  
Number of cycles run: 5860  
Number of cycles run: 7908  
Number of cycles run: 8507  
Number of cycles run: 7209  
Number of cycles run: 14518  
Number of cycles run: 6729  
Number of cycles run: 8835  
Number of cycles run: 6505  
Number of cycles run: 6460  
Number of cycles run: 8501  
Number of cycles run: 9770  
Number of cycles run: 6762  
Number of cycles run: 7837  
Number of cycles run: 12038  
Number of cycles run: 6049  
Number of cycles run: 6396  
Number of cycles run: 7346  
Number of cycles run: 5265  
Number of cycles run: 7181  
Number of cycles run: 6821  
Number of cycles run: 7248  
Number of cycles run: 7128  
Number of cycles run: 7289  
Number of cycles run: 7447  
Number of cycles run: 10698  
Number of cycles run: 5585  
Number of cycles run: 5380  
Number of cycles run: 13015  
Number of cycles run: 7537  
Number of cycles run: 13701  
Number of cycles run: 8393  
Number of cycles run: 6059  
Number of cycles run: 6632  
Number of cycles run: 7032  
Number of cycles run: 7453  
Number of cycles run: 6497  
Number of cycles run: 50000  
Number of cycles run: 10688  
Number of cycles run: 7355  
Av cycles for selfish strength 3.5 is 9635  
standard diviation is 8597.458538666042  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 7254  
Number of cycles run: 10374  
Number of cycles run: 6826  
Number of cycles run: 6355  
Number of cycles run: 9099  
Number of cycles run: 5683  
Number of cycles run: 10228  
Number of cycles run: 6378  
Number of cycles run: 6759  
Number of cycles run: 4715  
Number of cycles run: 7266  
Number of cycles run: 6589  
Number of cycles run: 6609  
Number of cycles run: 5592  
Number of cycles run: 10291  
Number of cycles run: 6382  
Number of cycles run: 9545  
Number of cycles run: 8061  
Number of cycles run: 50000  
Number of cycles run: 13044  
Number of cycles run: 7440  
Number of cycles run: 6884  
Number of cycles run: 5956  
Number of cycles run: 6606  
Number of cycles run: 7213  
Number of cycles run: 8038  
Number of cycles run: 7065  
Number of cycles run: 8460  
Number of cycles run: 9707  
Number of cycles run: 18282  
Number of cycles run: 6386  
Number of cycles run: 6162  
Number of cycles run: 8919  
Number of cycles run: 6140  
Number of cycles run: 14454  
Number of cycles run: 11317  
Number of cycles run: 50000  
Number of cycles run: 7776  
Number of cycles run: 50000  
Number of cycles run: 6107  
Number of cycles run: 50000  
Number of cycles run: 7329  
Number of cycles run: 7930  
Number of cycles run: 7630  
Number of cycles run: 16989  
Number of cycles run: 6799  
Number of cycles run: 6134  
Number of cycles run: 7229  
Number of cycles run: 7427  
Number of cycles run: 8828  
Av cycles for selfish strength 3.5 is 11525  
standard diviation is 11771.580796536537  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 10124  
Number of cycles run: 43358  
Number of cycles run: 30730  
Number of cycles run: 5548  
Number of cycles run: 29205  
Number of cycles run: 5750  
Number of cycles run: 6328  
Number of cycles run: 10020  
Number of cycles run: 6460  
Number of cycles run: 8730  
Number of cycles run: 7995  
Number of cycles run: 8749  
Number of cycles run: 8498  
Number of cycles run: 7692  
Number of cycles run: 50000  
Number of cycles run: 15089  
Number of cycles run: 10824  
Number of cycles run: 13873  
Number of cycles run: 6965  
Number of cycles run: 21386  
Number of cycles run: 6661  
Number of cycles run: 5708  
Number of cycles run: 12056  
Number of cycles run: 6829  
Number of cycles run: 6240  
Number of cycles run: 7714  
Number of cycles run: 14570  
Number of cycles run: 5817  
Number of cycles run: 7400  
Number of cycles run: 6143  
Number of cycles run: 6907  
Number of cycles run: 6844  
Number of cycles run: 50000  
Number of cycles run: 6926  
Number of cycles run: 6781  
Number of cycles run: 7767  
Number of cycles run: 6975  
Number of cycles run: 8134  
Number of cycles run: 6503  
Number of cycles run: 50000  
Number of cycles run: 6995  
Number of cycles run: 12961  
Number of cycles run: 9115  
Number of cycles run: 50000  
Number of cycles run: 7839  
Number of cycles run: 6973  
Number of cycles run: 6605  
Number of cycles run: 6213  
Number of cycles run: 5637  
Number of cycles run: 9260  
Av cycles for selfish strength 3.5 is 13297  
standard diviation is 13012.482047524325  
Testing average cycles for selfish strength 3.5  
Number of cycles run: 6709  
Number of cycles run: 31232  
Number of cycles run: 7381  
Number of cycles run: 6719  
Number of cycles run: 10387  
Number of cycles run: 9779  
Number of cycles run: 48253  
Number of cycles run: 7717  
Number of cycles run: 6779  
Number of cycles run: 5031  
Number of cycles run: 11965  
Number of cycles run: 13284  
Number of cycles run: 11191  
Number of cycles run: 13115  
Number of cycles run: 5811  
Number of cycles run: 50000  
Number of cycles run: 11488  
Number of cycles run: 6367  
Number of cycles run: 10683  
Number of cycles run: 7038  
Number of cycles run: 5566  
Number of cycles run: 22561  
Number of cycles run: 14652  
Number of cycles run: 12175  
Number of cycles run: 6578  
Number of cycles run: 18742  
Number of cycles run: 5626  
Number of cycles run: 7096  
Number of cycles run: 6606  
Number of cycles run: 33664  
Number of cycles run: 6355  
Number of cycles run: 6269  
Number of cycles run: 7179  
Number of cycles run: 6727  
Number of cycles run: 9195  
Number of cycles run: 50000  
Number of cycles run: 7717  
Number of cycles run: 7100  
Number of cycles run: 7178  
Number of cycles run: 11702  
Number of cycles run: 5725  
Number of cycles run: 7720  
Number of cycles run: 7096  
Number of cycles run: 6436  
Number of cycles run: 50000  
Number of cycles run: 8868  
Number of cycles run: 7364  
Number of cycles run: 6620  
Number of cycles run: 10924  
Number of cycles run: 6554  
Av cycles for selfish strength 3.5 is 13018  
standard diviation is 12317.600416063022