Testing average cycles for selfish strength 1.5  
Number of cycles run: 5650  
Number of cycles run: 5541  
Number of cycles run: 19829  
Number of cycles run: 7787  
Number of cycles run: 8676  
Number of cycles run: 50000  
Number of cycles run: 8785  
Number of cycles run: 9056  
Number of cycles run: 7520  
Number of cycles run: 7860  
Number of cycles run: 6549  
Number of cycles run: 10905  
Number of cycles run: 8998  
Number of cycles run: 7956  
Number of cycles run: 7293  
Number of cycles run: 50000  
Number of cycles run: 6968  
Number of cycles run: 9458  
Number of cycles run: 8881  
Number of cycles run: 27112  
Number of cycles run: 11777  
Number of cycles run: 50000  
Number of cycles run: 7664  
Number of cycles run: 7887  
Number of cycles run: 8568  
Number of cycles run: 9471  
Number of cycles run: 8311  
Number of cycles run: 10818  
Number of cycles run: 5675  
Number of cycles run: 8552  
Number of cycles run: 7005  
Number of cycles run: 8143  
Number of cycles run: 6317  
Number of cycles run: 8361  
Number of cycles run: 7802  
Number of cycles run: 7796  
Number of cycles run: 7552  
Number of cycles run: 9117  
Number of cycles run: 9698  
Number of cycles run: 7834  
Number of cycles run: 7180  
Number of cycles run: 9657  
Number of cycles run: 24146  
Number of cycles run: 8321  
Number of cycles run: 7911  
Number of cycles run: 6303  
Number of cycles run: 50000  
Number of cycles run: 8945  
Number of cycles run: 6356  
Number of cycles run: 10615  
Av cycles for selfish strength 1.5 is 12452  
standard diviation is 11881.010936922215  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 7409  
Number of cycles run: 19288  
Number of cycles run: 8406  
Number of cycles run: 6196  
Number of cycles run: 40778  
Number of cycles run: 8384  
Number of cycles run: 50000  
Number of cycles run: 6521  
Number of cycles run: 8505  
Number of cycles run: 7189  
Number of cycles run: 5753  
Number of cycles run: 50000  
Number of cycles run: 7876  
Number of cycles run: 6639  
Number of cycles run: 9311  
Number of cycles run: 7660  
Number of cycles run: 6147  
Number of cycles run: 7847  
Number of cycles run: 9723  
Number of cycles run: 50000  
Number of cycles run: 12130  
Number of cycles run: 12614  
Number of cycles run: 5646  
Number of cycles run: 6003  
Number of cycles run: 5866  
Number of cycles run: 7789  
Number of cycles run: 50000  
Number of cycles run: 10238  
Number of cycles run: 7343  
Number of cycles run: 7691  
Number of cycles run: 10795  
Number of cycles run: 37682  
Number of cycles run: 6075  
Number of cycles run: 8983  
Number of cycles run: 6670  
Number of cycles run: 18367  
Number of cycles run: 6510  
Number of cycles run: 6344  
Number of cycles run: 6642  
Number of cycles run: 7044  
Number of cycles run: 9083  
Number of cycles run: 50000  
Number of cycles run: 16032  
Number of cycles run: 7073  
Number of cycles run: 23847  
Number of cycles run: 7104  
Number of cycles run: 6385  
Number of cycles run: 5740  
Number of cycles run: 7583  
Number of cycles run: 5728  
Av cycles for selfish strength 1.5 is 14052  
standard diviation is 14005.981023120086  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 9048  
Number of cycles run: 11164  
Number of cycles run: 6089  
Number of cycles run: 6432  
Number of cycles run: 9659  
Number of cycles run: 26174  
Number of cycles run: 6851  
Number of cycles run: 7678  
Number of cycles run: 7216  
Number of cycles run: 50000  
Number of cycles run: 8432  
Number of cycles run: 11665  
Number of cycles run: 50000  
Number of cycles run: 6701  
Number of cycles run: 30018  
Number of cycles run: 24798  
Number of cycles run: 41928  
Number of cycles run: 50000  
Number of cycles run: 17902  
Number of cycles run: 7595  
Number of cycles run: 8827  
Number of cycles run: 10820  
Number of cycles run: 8137  
Number of cycles run: 6245  
Number of cycles run: 11602  
Number of cycles run: 6585  
Number of cycles run: 6583  
Number of cycles run: 9053  
Number of cycles run: 50000  
Number of cycles run: 9687  
Number of cycles run: 9095  
Number of cycles run: 7595  
Number of cycles run: 10561  
Number of cycles run: 50000  
Number of cycles run: 14436  
Number of cycles run: 7853  
Number of cycles run: 50000  
Number of cycles run: 9949  
Number of cycles run: 6686  
Number of cycles run: 7675  
Number of cycles run: 10080  
Number of cycles run: 6880  
Number of cycles run: 7628  
Number of cycles run: 6222  
Number of cycles run: 6330  
Number of cycles run: 8231  
Number of cycles run: 6102  
Number of cycles run: 8010  
Number of cycles run: 40663  
Number of cycles run: 6692  
Av cycles for selfish strength 1.5 is 15951  
standard diviation is 14968.080322445616  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 6402  
Number of cycles run: 8653  
Number of cycles run: 15966  
Number of cycles run: 7925  
Number of cycles run: 13058  
Number of cycles run: 6596  
Number of cycles run: 6467  
Number of cycles run: 10703  
Number of cycles run: 6073  
Number of cycles run: 7608  
Number of cycles run: 20612  
Number of cycles run: 6364  
Number of cycles run: 7126  
Number of cycles run: 6062  
Number of cycles run: 10252  
Number of cycles run: 7667  
Number of cycles run: 7233  
Number of cycles run: 9856  
Number of cycles run: 9100  
Number of cycles run: 5986  
Number of cycles run: 50000  
Number of cycles run: 21589  
Number of cycles run: 9237  
Number of cycles run: 6562  
Number of cycles run: 6131  
Number of cycles run: 9212  
Number of cycles run: 19991  
Number of cycles run: 9240  
Number of cycles run: 36530  
Number of cycles run: 7780  
Number of cycles run: 5089  
Number of cycles run: 50000  
Number of cycles run: 8553  
Number of cycles run: 8619  
Number of cycles run: 7201  
Number of cycles run: 50000  
Number of cycles run: 9562  
Number of cycles run: 7445  
Number of cycles run: 10600  
Number of cycles run: 50000  
Number of cycles run: 12087  
Number of cycles run: 7926  
Number of cycles run: 50000  
Number of cycles run: 16914  
Number of cycles run: 12038  
Number of cycles run: 6110  
Number of cycles run: 6608  
Number of cycles run: 50000  
Number of cycles run: 7924  
Number of cycles run: 17755  
Av cycles for selfish strength 1.5 is 15008  
standard diviation is 14143.218087111287  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 7745  
Number of cycles run: 8127  
Number of cycles run: 8166  
Number of cycles run: 11976  
Number of cycles run: 9012  
Number of cycles run: 50000  
Number of cycles run: 12752  
Number of cycles run: 6961  
Number of cycles run: 8512  
Number of cycles run: 9980  
Number of cycles run: 16647  
Number of cycles run: 9098  
Number of cycles run: 8263  
Number of cycles run: 8532  
Number of cycles run: 13764  
Number of cycles run: 13589  
Number of cycles run: 27505  
Number of cycles run: 6713  
Number of cycles run: 6868  
Number of cycles run: 4844  
Number of cycles run: 7876  
Number of cycles run: 7736  
Number of cycles run: 20841  
Number of cycles run: 18529  
Number of cycles run: 6156  
Number of cycles run: 6588  
Number of cycles run: 8457  
Number of cycles run: 7669  
Number of cycles run: 9133  
Number of cycles run: 17195  
Number of cycles run: 7840  
Number of cycles run: 50000  
Number of cycles run: 11653  
Number of cycles run: 6239  
Number of cycles run: 7469  
Number of cycles run: 7375  
Number of cycles run: 6972  
Number of cycles run: 9541  
Number of cycles run: 9010  
Number of cycles run: 8371  
Number of cycles run: 15757  
Number of cycles run: 6575  
Number of cycles run: 8284  
Number of cycles run: 6501  
Number of cycles run: 6984  
Number of cycles run: 7529  
Number of cycles run: 7357  
Number of cycles run: 5780  
Number of cycles run: 9115  
Number of cycles run: 10637  
Av cycles for selfish strength 1.5 is 11364  
standard diviation is 9045.658799148476  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 27788  
Number of cycles run: 7051  
Number of cycles run: 7441  
Number of cycles run: 5322  
Number of cycles run: 7246  
Number of cycles run: 6150  
Number of cycles run: 16417  
Number of cycles run: 7970  
Number of cycles run: 6599  
Number of cycles run: 11662  
Number of cycles run: 7789  
Number of cycles run: 8993  
Number of cycles run: 7022  
Number of cycles run: 49590  
Number of cycles run: 7345  
Number of cycles run: 6719  
Number of cycles run: 7823  
Number of cycles run: 8130  
Number of cycles run: 6192  
Number of cycles run: 8014  
Number of cycles run: 9173  
Number of cycles run: 50000  
Number of cycles run: 8692

Number of cycles run: 6759  
Number of cycles run: 8584  
Number of cycles run: 50000  
Number of cycles run: 9073  
Number of cycles run: 8837  
Number of cycles run: 6393  
Number of cycles run: 6456  
Number of cycles run: 8547  
Number of cycles run: 6945  
Number of cycles run: 50000  
Number of cycles run: 14597  
Number of cycles run: 7893  
Number of cycles run: 9654  
Number of cycles run: 9028  
Number of cycles run: 38073  
Number of cycles run: 7762  
Number of cycles run: 6502  
Number of cycles run: 8643  
Number of cycles run: 8651  
Number of cycles run: 7535  
Number of cycles run: 23893  
Number of cycles run: 7559  
Number of cycles run: 7125  
Number of cycles run: 10745  
Number of cycles run: 10325  
Number of cycles run: 6584  
Number of cycles run: 50000  
Av cycles for selfish strength 1.5 is 13705  
standard diviation is 13470.27522208717  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 16801  
Number of cycles run: 6725  
Number of cycles run: 50000  
Number of cycles run: 6292  
Number of cycles run: 13574  
Number of cycles run: 12649  
Number of cycles run: 13264  
Number of cycles run: 12245  
Number of cycles run: 8300  
Number of cycles run: 7446  
Number of cycles run: 4761  
Number of cycles run: 8175  
Number of cycles run: 9553  
Number of cycles run: 14652  
Number of cycles run: 11651  
Number of cycles run: 20005  
Number of cycles run: 11342  
Number of cycles run: 7079  
Number of cycles run: 6828  
Number of cycles run: 8141  
Number of cycles run: 6551  
Number of cycles run: 8942  
Number of cycles run: 7456  
Number of cycles run: 6887  
Number of cycles run: 11914  
Number of cycles run: 8576  
Number of cycles run: 39502  
Number of cycles run: 7388  
Number of cycles run: 7402  
Number of cycles run: 6115  
Number of cycles run: 7698  
Number of cycles run: 11024  
Number of cycles run: 6211  
Number of cycles run: 9374  
Number of cycles run: 7026  
Number of cycles run: 6293  
Number of cycles run: 5873  
Number of cycles run: 12376  
Number of cycles run: 12763  
Number of cycles run: 8845  
Number of cycles run: 8409  
Number of cycles run: 33462  
Number of cycles run: 11763  
Number of cycles run: 10431  
Number of cycles run: 7500  
Number of cycles run: 5907  
Number of cycles run: 7053  
Number of cycles run: 22503  
Number of cycles run: 9797  
Number of cycles run: 7061  
Av cycles for selfish strength 1.5 is 11431  
standard diviation is 8517.263844566469  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 7741  
Number of cycles run: 5885  
Number of cycles run: 19417  
Number of cycles run: 7720  
Number of cycles run: 10081  
Number of cycles run: 8343  
Number of cycles run: 50000  
Number of cycles run: 48364  
Number of cycles run: 50000  
Number of cycles run: 8708  
Number of cycles run: 7604  
Number of cycles run: 8326  
Number of cycles run: 7679  
Number of cycles run: 6288  
Number of cycles run: 7740  
Number of cycles run: 9338  
Number of cycles run: 6563  
Number of cycles run: 8983  
Number of cycles run: 8031  
Number of cycles run: 32198  
Number of cycles run: 8096  
Number of cycles run: 14246  
Number of cycles run: 6629  
Number of cycles run: 11749  
Number of cycles run: 9230  
Number of cycles run: 7515  
Number of cycles run: 6885  
Number of cycles run: 6835  
Number of cycles run: 6996  
Number of cycles run: 10274  
Number of cycles run: 5697  
Number of cycles run: 15912  
Number of cycles run: 7865  
Number of cycles run: 7175  
Number of cycles run: 6606  
Number of cycles run: 7898  
Number of cycles run: 7616  
Number of cycles run: 20706  
Number of cycles run: 8674  
Number of cycles run: 5343  
Number of cycles run: 8178  
Number of cycles run: 8982  
Number of cycles run: 6469  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6576  
Number of cycles run: 6490  
Number of cycles run: 8427  
Number of cycles run: 7034  
Number of cycles run: 50000  
Av cycles for selfish strength 1.5 is 14062  
standard diviation is 14040.225337688184  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 9607  
Number of cycles run: 7339  
Number of cycles run: 8600  
Number of cycles run: 6238  
Number of cycles run: 31509  
Number of cycles run: 9873  
Number of cycles run: 10161  
Number of cycles run: 9578  
Number of cycles run: 6501  
Number of cycles run: 10261  
Number of cycles run: 7828  
Number of cycles run: 7002  
Number of cycles run: 7033  
Number of cycles run: 22324  
Number of cycles run: 12598  
Number of cycles run: 6518  
Number of cycles run: 50000  
Number of cycles run: 7886  
Number of cycles run: 8407  
Number of cycles run: 6795  
Number of cycles run: 7590  
Number of cycles run: 5813  
Number of cycles run: 11562  
Number of cycles run: 6799  
Number of cycles run: 10649  
Number of cycles run: 8355  
Number of cycles run: 7465  
Number of cycles run: 8110  
Number of cycles run: 21375  
Number of cycles run: 7774  
Number of cycles run: 6918  
Number of cycles run: 5913  
Number of cycles run: 6108  
Number of cycles run: 6849  
Number of cycles run: 5778  
Number of cycles run: 10784  
Number of cycles run: 7703  
Number of cycles run: 26318  
Number of cycles run: 9122  
Number of cycles run: 14688  
Number of cycles run: 7308  
Number of cycles run: 8622  
Number of cycles run: 21845  
Number of cycles run: 50000  
Number of cycles run: 7526  
Number of cycles run: 9849  
Number of cycles run: 50000  
Number of cycles run: 8890  
Number of cycles run: 7861  
Number of cycles run: 6663  
Av cycles for selfish strength 1.5 is 12405  
standard diviation is 11009.915685324715  
Testing average cycles for selfish strength 1.5  
Number of cycles run: 7181  
Number of cycles run: 8410  
Number of cycles run: 9007  
Number of cycles run: 33205  
Number of cycles run: 6841  
Number of cycles run: 9268  
Number of cycles run: 21831  
Number of cycles run: 6656  
Number of cycles run: 21345  
Number of cycles run: 8693  
Number of cycles run: 8420  
Number of cycles run: 8038  
Number of cycles run: 5334  
Number of cycles run: 8595  
Number of cycles run: 6535  
Number of cycles run: 6934  
Number of cycles run: 7606  
Number of cycles run: 7744  
Number of cycles run: 9001  
Number of cycles run: 11185  
Number of cycles run: 9206  
Number of cycles run: 8642  
Number of cycles run: 7809  
Number of cycles run: 8113  
Number of cycles run: 7424  
Number of cycles run: 50000  
Number of cycles run: 8558  
Number of cycles run: 6501  
Number of cycles run: 7947  
Number of cycles run: 11399  
Number of cycles run: 6718  
Number of cycles run: 6985  
Number of cycles run: 7326  
Number of cycles run: 5524  
Number of cycles run: 6080  
Number of cycles run: 5955  
Number of cycles run: 7199  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 8322  
Number of cycles run: 8510  
Number of cycles run: 7349  
Number of cycles run: 6265  
Number of cycles run: 6183  
Number of cycles run: 22630  
Number of cycles run: 47057  
Number of cycles run: 7792  
Number of cycles run: 7623  
Number of cycles run: 9120  
Number of cycles run: 31090  
Av cycles for selfish strength 1.5 is 12903  
standard diviation is 12321.651672746222

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