Network Simulation

Econ Research Project

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Parameter Setting

- x=2, y = (x-c)/r=1, c=1, r=1, p_0=0.45
- c/x (myopic)=1/2
- c/(x+y) (single-agent) = 1/3

Cutoff Time with Differernt K

K	1	2	5	10	20	30	40	70	100
tau_k	0.1030	0.0298	0.0025	0.0019	0.0016	0.0016	0.0015	0.0014	0.00014
tau_l	1.0e-08 *0.0816	1.0e-08 *0.0084	1.0e-08 *0.0575	1.0e-08 *-0.000	1.0e-08 *0.1505	1.0e-08 *0.0218	1.0e-08 *0.0039	1.0e-08 *-0.0002	1.0e-08 *-0.0001

- tau_l<tau_k for all K, so welfare = welfare benchmark for all K

Graph Welfare

- K=1, 2, 5, 10, 20, 30, 40, 70, 100
- Welfare Benchmark= p_o(x+y)-c=0.35