

P(K) estimated by FV2: 10.428% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 5.3 sec
 P(K) by MC: 1.216%, E(T) = 3.8 (simulation time = 4000.0)
 P(K) estimated by FV1: 1.284% (simulation time = 80.0)
 P(K) estimated by FV2: 10.475% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 6.7 sec
 P(K) by MC: 1.659%, E(T) = 4.0 (simulation time = 4000.0)
 P(K) estimated by FV1: 1.238% (simulation time = 80.0)
 P(K) estimated by FV2: 9.078% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 8.2 sec
 P(K) by MC: 1.728%, E(T) = 3.9 (simulation time = 4000.0)
 P(K) estimated by FV1: 0.916% (simulation time = 80.0)
 P(K) estimated by FV2: 10.066% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 7.0 sec
 P(K) by MC: 1.401%, E(T) = 3.9 (simulation time = 4000.0)
 P(K) estimated by FV1: 1.214% (simulation time = 80.0)
 P(K) estimated by FV2: 13.470% (simulation time = 80.0)
 True P(K): 1.587%
 Running simulation for nparticles=75 on 10 replications (2 of 7)...
 Replication 1 of 10... execution time: 11.1 sec
 P(K) by MC: 1.366%, E(T) = 4.0 (simulation time = 6000.0)
 P(K) estimated by FV1: 0.655% (simulation time = 80.0)
 P(K) estimated by FV2: 7.146% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 11.3 sec
 P(K) by MC: 1.326%, E(T) = 3.9 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.722% (simulation time = 80.0)
 P(K) estimated by FV2: 9.467% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 9.7 sec
 P(K) by MC: 0.940%, E(T) = 3.8 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.595% (simulation time = 80.0)
 P(K) estimated by FV2: 10.282% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 9.4 sec
 P(K) by MC: 1.469%, E(T) = 3.9 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.474% (simulation time = 80.0)
 P(K) estimated by FV2: 7.415% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 8.8 sec
 P(K) by MC: 1.611%, E(T) = 3.9 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.734% (simulation time = 80.0)
 P(K) estimated by FV2: 12.609% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 12.7 sec
 P(K) by MC: 1.565%, E(T) = 3.9 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.737% (simulation time = 80.0)
 P(K) estimated by FV2: 9.800% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 11.1 sec
 P(K) by MC: 1.207%, E(T) = 3.8 (simulation time = 6000.0)
 P(K) estimated by FV1: 2.550% (simulation time = 80.0)
 P(K) estimated by FV2: 8.423% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 10.2 sec
 P(K) by MC: 1.418%, E(T) = 3.9 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.555% (simulation time = 80.0)
 P(K) estimated by FV2: 7.164% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 9.4 sec
 P(K) by MC: 1.659%, E(T) = 4.0 (simulation time = 6000.0)
 P(K) estimated by FV1: 1.007% (simulation time = 80.0)
 P(K) estimated by FV2: 5.503% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 9.2 sec
 P(K) by MC: 1.455%, E(T) = 3.8 (simulation time = 6000.0)
 P(K) estimated by FV1: 0.961% (simulation time = 80.0)
 P(K) estimated by FV2: 9.897% (simulation time = 80.0)
 True P(K): 1.587%

Running simulation for nparticles=112 on 10 replications (3 of 7)...

Replication 1 of 10... execution time: 15.1 sec
P(K) by MC: 1.381%, E(T) = 4.0 (simulation time = 8960.0)
P(K) estimated by FV1: 0.765% (simulation time = 80.0)
P(K) estimated by FV2: 8.323% (simulation time = 80.0)
True P(K): 1.587%

Replication 2 of 10... execution time: 14.2 sec
P(K) by MC: 1.323%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.416% (simulation time = 80.0)
P(K) estimated by FV2: 13.877% (simulation time = 80.0)
True P(K): 1.587%

Replication 3 of 10... execution time: 16.1 sec
P(K) by MC: 1.174%, E(T) = 3.8 (simulation time = 8960.0)
P(K) estimated by FV1: 1.207% (simulation time = 80.0)
P(K) estimated by FV2: 8.055% (simulation time = 80.0)
True P(K): 1.587%

Replication 4 of 10... execution time: 16.7 sec
P(K) by MC: 1.581%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.605% (simulation time = 80.0)
P(K) estimated by FV2: 12.890% (simulation time = 80.0)
True P(K): 1.587%

Replication 5 of 10... execution time: 15.5 sec
P(K) by MC: 1.286%, E(T) = 3.8 (simulation time = 8960.0)
P(K) estimated by FV1: 1.792% (simulation time = 80.0)
P(K) estimated by FV2: 7.632% (simulation time = 80.0)
True P(K): 1.587%

Replication 6 of 10... execution time: 13.5 sec
P(K) by MC: 1.714%, E(T) = 4.0 (simulation time = 8960.0)
P(K) estimated by FV1: 1.748% (simulation time = 80.0)
P(K) estimated by FV2: 11.588% (simulation time = 80.0)
True P(K): 1.587%

Replication 7 of 10... execution time: 13.8 sec
P(K) by MC: 1.261%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.720% (simulation time = 80.0)
P(K) estimated by FV2: 8.058% (simulation time = 80.0)
True P(K): 1.587%

Replication 8 of 10... execution time: 15.8 sec
P(K) by MC: 1.197%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.732% (simulation time = 80.0)
P(K) estimated by FV2: 8.179% (simulation time = 80.0)
True P(K): 1.587%

Replication 9 of 10... execution time: 14.4 sec
P(K) by MC: 1.509%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.238% (simulation time = 80.0)
P(K) estimated by FV2: 8.672% (simulation time = 80.0)
True P(K): 1.587%

Replication 10 of 10... execution time: 14.9 sec
P(K) by MC: 1.404%, E(T) = 3.9 (simulation time = 8960.0)
P(K) estimated by FV1: 1.464% (simulation time = 80.0)
P(K) estimated by FV2: 10.069% (simulation time = 80.0)
True P(K): 1.587%

Running simulation for nparticles=168 on 10 replications (4 of 7)...

Replication 1 of 10... execution time: 25.1 sec
P(K) by MC: 1.272%, E(T) = 4.0 (simulation time = 13440.0)
P(K) estimated by FV1: 1.253% (simulation time = 80.0)
P(K) estimated by FV2: 7.419% (simulation time = 80.0)
True P(K): 1.587%

Replication 2 of 10... execution time: 23.8 sec
P(K) by MC: 1.445%, E(T) = 3.9 (simulation time = 13440.0)
P(K) estimated by FV1: 1.273% (simulation time = 80.0)
P(K) estimated by FV2: 8.582% (simulation time = 80.0)
True P(K): 1.587%

Replication 3 of 10... execution time: 23.3 sec
P(K) by MC: 1.218%, E(T) = 3.8 (simulation time = 13440.0)
P(K) estimated by FV1: 1.259% (simulation time = 80.0)
P(K) estimated by FV2: 7.277% (simulation time = 80.0)
True P(K): 1.587%

Replication 4 of 10... execution time: 27.1 sec
P(K) by MC: 1.675%, E(T) = 3.9 (simulation time = 13440.0)
P(K) estimated by FV1: 1.301% (simulation time = 80.0)
P(K) estimated by FV2: 8.576% (simulation time = 80.0)
True P(K): 1.587%

Replication 5 of 10... execution time: 28.4 sec

P(K) by MC: 1.471%, E(T) = 3.9 (simulation time = 13440.0)
 P(K) estimated by FV1: 1.210% (simulation time = 80.0)
 P(K) estimated by FV2: 8.124% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 24.7 sec
 P(K) by MC: 1.728%, E(T) = 4.0 (simulation time = 13440.0)
 P(K) estimated by FV1: 1.965% (simulation time = 80.0)
 P(K) estimated by FV2: 11.950% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 21.0 sec
 P(K) by MC: 1.442%, E(T) = 3.9 (simulation time = 13440.0)
 P(K) estimated by FV1: 1.527% (simulation time = 80.0)
 P(K) estimated by FV2: 10.988% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 26.3 sec
 P(K) by MC: 1.431%, E(T) = 4.0 (simulation time = 13440.0)
 P(K) estimated by FV1: 2.323% (simulation time = 80.0)
 P(K) estimated by FV2: 12.069% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 23.1 sec
 P(K) by MC: 1.602%, E(T) = 4.0 (simulation time = 13440.0)
 P(K) estimated by FV1: 1.853% (simulation time = 80.0)
 P(K) estimated by FV2: 9.496% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 20.7 sec
 P(K) by MC: 1.359%, E(T) = 3.9 (simulation time = 13440.0)
 P(K) estimated by FV1: 1.952% (simulation time = 80.0)
 P(K) estimated by FV2: 10.196% (simulation time = 80.0)
 True P(K): 1.587%
 Running simulation for nparticles=252 on 10 replications (5 of 7)...
 Replication 1 of 10... execution time: 38.9 sec
 P(K) by MC: 1.314%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.552% (simulation time = 80.0)
 P(K) estimated by FV2: 8.902% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 38.4 sec
 P(K) by MC: 1.488%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.314% (simulation time = 80.0)
 P(K) estimated by FV2: 9.220% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 34.5 sec
 P(K) by MC: 1.289%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.199% (simulation time = 80.0)
 P(K) estimated by FV2: 10.196% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 38.5 sec
 P(K) by MC: 1.724%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.497% (simulation time = 80.0)
 P(K) estimated by FV2: 8.368% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 39.3 sec
 P(K) by MC: 1.502%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.343% (simulation time = 80.0)
 P(K) estimated by FV2: 8.850% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 38.5 sec
 P(K) by MC: 1.680%, E(T) = 4.0 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.115% (simulation time = 80.0)
 P(K) estimated by FV2: 10.252% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 41.4 sec
 P(K) by MC: 1.496%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.340% (simulation time = 80.0)
 P(K) estimated by FV2: 10.003% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 38.6 sec
 P(K) by MC: 1.479%, E(T) = 4.0 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.243% (simulation time = 80.0)
 P(K) estimated by FV2: 8.103% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 36.1 sec
 P(K) by MC: 1.554%, E(T) = 4.0 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.502% (simulation time = 80.0)

P(K) estimated by FV2: 8.924% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 34.0 sec
 P(K) by MC: 1.480%, E(T) = 3.9 (simulation time = 20160.0)
 P(K) estimated by FV1: 1.448% (simulation time = 80.0)
 P(K) estimated by FV2: 9.372% (simulation time = 80.0)
 True P(K): 1.587%
 Running simulation for nparticles=378 on 10 replications (6 of 7)...
 Replication 1 of 10... execution time: 68.2 sec
 P(K) by MC: 1.368%, E(T) = 3.9 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.346% (simulation time = 80.0)
 P(K) estimated by FV2: 7.666% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 54.9 sec
 P(K) by MC: 1.601%, E(T) = 4.0 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.322% (simulation time = 80.0)
 P(K) estimated by FV2: 8.413% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 56.9 sec
 P(K) by MC: 1.430%, E(T) = 3.9 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.382% (simulation time = 80.0)
 P(K) estimated by FV2: 10.259% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 57.5 sec
 P(K) by MC: 1.561%, E(T) = 3.8 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.452% (simulation time = 80.0)
 P(K) estimated by FV2: 11.046% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 57.5 sec
 P(K) by MC: 1.465%, E(T) = 3.9 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.273% (simulation time = 80.0)
 P(K) estimated by FV2: 9.164% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 60.4 sec
 P(K) by MC: 1.793%, E(T) = 4.0 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.401% (simulation time = 80.0)
 P(K) estimated by FV2: 9.766% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 58.0 sec
 P(K) by MC: 1.428%, E(T) = 3.9 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.256% (simulation time = 80.0)
 P(K) estimated by FV2: 9.175% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 57.7 sec
 P(K) by MC: 1.540%, E(T) = 4.0 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.348% (simulation time = 80.0)
 P(K) estimated by FV2: 9.524% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 65.3 sec
 P(K) by MC: 1.643%, E(T) = 4.0 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.459% (simulation time = 80.0)
 P(K) estimated by FV2: 10.842% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 65.9 sec
 P(K) by MC: 1.594%, E(T) = 4.0 (simulation time = 30240.0)
 P(K) estimated by FV1: 1.517% (simulation time = 80.0)
 P(K) estimated by FV2: 10.924% (simulation time = 80.0)
 True P(K): 1.587%
 Running simulation for nparticles=567 on 10 replications (7 of 7)...
 Replication 1 of 10... execution time: 117.9 sec
 P(K) by MC: 1.492%, E(T) = 3.9 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.555% (simulation time = 80.0)
 P(K) estimated by FV2: 10.731% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 128.8 sec
 P(K) by MC: 1.642%, E(T) = 4.0 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.348% (simulation time = 80.0)
 P(K) estimated by FV2: 9.068% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 137.1 sec
 P(K) by MC: 1.386%, E(T) = 3.9 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.075% (simulation time = 80.0)
 P(K) estimated by FV2: 8.791% (simulation time = 80.0)

True P(K): 1.587%
 Replication 4 of 10... execution time: 100.2 sec
 P(K) by MC: 1.620%, E(T) = 3.9 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.323% (simulation time = 80.0)
 P(K) estimated by FV2: 9.535% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 92.1 sec
 P(K) by MC: 1.506%, E(T) = 4.0 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.309% (simulation time = 80.0)
 P(K) estimated by FV2: 8.466% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 93.5 sec
 P(K) by MC: 1.678%, E(T) = 4.0 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.635% (simulation time = 80.0)
 P(K) estimated by FV2: 10.636% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 93.7 sec
 P(K) by MC: 1.439%, E(T) = 3.9 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.780% (simulation time = 80.0)
 P(K) estimated by FV2: 9.559% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 89.0 sec
 P(K) by MC: 1.536%, E(T) = 4.0 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.312% (simulation time = 80.0)
 P(K) estimated by FV2: 9.384% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 86.5 sec
 P(K) by MC: 1.529%, E(T) = 4.0 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.192% (simulation time = 80.0)
 P(K) estimated by FV2: 9.144% (simulation time = 80.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 86.4 sec
 P(K) by MC: 1.604%, E(T) = 3.9 (simulation time = 45360.0)
 P(K) estimated by FV1: 1.583% (simulation time = 80.0)
 P(K) estimated by FV2: 9.248% (simulation time = 80.0)
 True P(K): 1.587%

Total execution time: 42.8 min

Simulation results for $c=1$, $K=5$, $\rho_{hos}=[0.5]$, ($50 \leq N \leq 600$), $T \leq 80$

Raw results by N:

	N	replication	Pr(MC)	Time(MC)	E(T)	Pr(FV)	Time(FV)	\
1	50	1	0.012865	4000.0	4.044489	0.014276	80.0	
1	50	2	0.016128	4000.0	3.838271	0.008322	80.0	
1	50	3	0.009097	4000.0	3.787269	0.019194	80.0	
1	50	4	0.014196	4000.0	3.802281	0.016318	80.0	
1	50	5	0.015904	4000.0	4.006969	0.016508	80.0	
1	50	6	0.016762	4000.0	3.948071	0.007595	80.0	
1	50	7	0.012155	4000.0	3.778218	0.012837	80.0	
1	50	8	0.016594	4000.0	4.019091	0.012377	80.0	
1	50	9	0.017285	4000.0	3.943773	0.009158	80.0	
1	50	10	0.014007	4000.0	3.860534	0.012135	80.0	
2	75	1	0.013662	6000.0	3.965631	0.006550	80.0	
2	75	2	0.013263	6000.0	3.878433	0.017221	80.0	
2	75	3	0.009401	6000.0	3.792668	0.015955	80.0	
2	75	4	0.014690	6000.0	3.875500	0.014735	80.0	
2	75	5	0.016109	6000.0	3.931848	0.017338	80.0	
2	75	6	0.015649	6000.0	3.942918	0.017367	80.0	
2	75	7	0.012074	6000.0	3.821093	0.025499	80.0	
2	75	8	0.014180	6000.0	3.942181	0.015552	80.0	
2	75	9	0.016595	6000.0	3.952569	0.010068	80.0	
2	75	10	0.014550	6000.0	3.799873	0.009609	80.0	
3	112	1	0.013814	8960.0	3.983993	0.007648	80.0	
3	112	2	0.013226	8960.0	3.892268	0.014156	80.0	
3	112	3	0.011736	8960.0	3.780591	0.012065	80.0	
3	112	4	0.015815	8960.0	3.917796	0.016047	80.0	
3	112	5	0.012860	8960.0	3.814389	0.017921	80.0	
3	112	6	0.017140	8960.0	3.986885	0.017483	80.0	
3	112	7	0.012613	8960.0	3.872083	0.017202	80.0	
3	112	8	0.011969	8960.0	3.890249	0.017318	80.0	
3	112	9	0.015085	8960.0	3.946028	0.012383	80.0	
3	112	10	0.014040	8960.0	3.855107	0.014636	80.0	
...	
5	252	1	0.013136	20160.0	3.932771	0.015523	80.0	
5	252	2	0.014878	20160.0	3.913739	0.013137	80.0	

5	252	3	0.012894	20160.0	3.867860	0.011987	80.0
5	252	4	0.017237	20160.0	3.859812	0.014974	80.0
5	252	5	0.015021	20160.0	3.901672	0.013426	80.0
5	252	6	0.016795	20160.0	3.960127	0.011145	80.0
5	252	7	0.014962	20160.0	3.921416	0.013401	80.0
5	252	8	0.014794	20160.0	3.958116	0.012433	80.0
5	252	9	0.015544	20160.0	3.980257	0.015017	80.0
5	252	10	0.014802	20160.0	3.949843	0.014482	80.0
6	378	1	0.013675	30240.0	3.900929	0.013455	80.0
6	378	2	0.016013	30240.0	3.965397	0.013224	80.0
6	378	3	0.014297	30240.0	3.900961	0.013822	80.0
6	378	4	0.015613	30240.0	3.818664	0.014516	80.0
6	378	5	0.014648	30240.0	3.946627	0.012726	80.0
6	378	6	0.017927	30240.0	3.964996	0.014011	80.0
6	378	7	0.014284	30240.0	3.890846	0.012563	80.0
6	378	8	0.015398	30240.0	3.962783	0.013480	80.0
6	378	9	0.016435	30240.0	3.963822	0.014592	80.0
6	378	10	0.015937	30240.0	3.953362	0.015169	80.0
7	567	1	0.014925	45360.0	3.903279	0.015550	80.0
7	567	2	0.016415	45360.0	3.951382	0.013479	80.0
7	567	3	0.013856	45360.0	3.899172	0.010751	80.0
7	567	4	0.016202	45360.0	3.886223	0.013231	80.0
7	567	5	0.015059	45360.0	3.970241	0.013088	80.0
7	567	6	0.016780	45360.0	3.953459	0.016349	80.0
7	567	7	0.014389	45360.0	3.882779	0.017799	80.0
7	567	8	0.015362	45360.0	3.962610	0.013117	80.0
7	567	9	0.015295	45360.0	3.952216	0.011924	80.0
7	567	10	0.016041	45360.0	3.925908	0.015826	80.0

	Pr(K)	exec_time(s)
1	0.015873	5.171160
1	0.015873	5.343663
1	0.015873	5.544650
1	0.015873	5.593682
1	0.015873	5.484412
1	0.015873	6.246943
1	0.015873	5.314547
1	0.015873	6.697365
1	0.015873	8.244727
1	0.015873	6.954251
2	0.015873	11.124906
2	0.015873	11.328547
2	0.015873	9.674103
2	0.015873	9.402949
2	0.015873	8.843673
2	0.015873	12.651999
2	0.015873	11.124221
2	0.015873	10.150533
2	0.015873	9.417337
2	0.015873	9.195584
3	0.015873	15.119628
3	0.015873	14.151251
3	0.015873	16.060246
3	0.015873	16.698310
3	0.015873	15.452544
3	0.015873	13.511635
3	0.015873	13.837042
3	0.015873	15.810643
3	0.015873	14.424074
3	0.015873	14.856184
..
5	0.015873	38.903420
5	0.015873	38.400783
5	0.015873	34.530315
5	0.015873	38.461610
5	0.015873	39.346640
5	0.015873	38.517880
5	0.015873	41.416611
5	0.015873	38.604429
5	0.015873	36.124873
5	0.015873	34.027832
6	0.015873	68.168425
6	0.015873	54.919817

6	0.015873	56.889453
6	0.015873	57.546991
6	0.015873	57.481572
6	0.015873	60.373493
6	0.015873	57.994293
6	0.015873	57.742221
6	0.015873	65.321862
6	0.015873	65.918525
7	0.015873	117.900745
7	0.015873	128.792702
7	0.015873	137.094693
7	0.015873	100.170913
7	0.015873	92.097150
7	0.015873	93.474197
7	0.015873	93.699972
7	0.015873	89.044945
7	0.015873	86.511661
7	0.015873	86.435043

[70 rows x 9 columns]

Aggregated results by N:

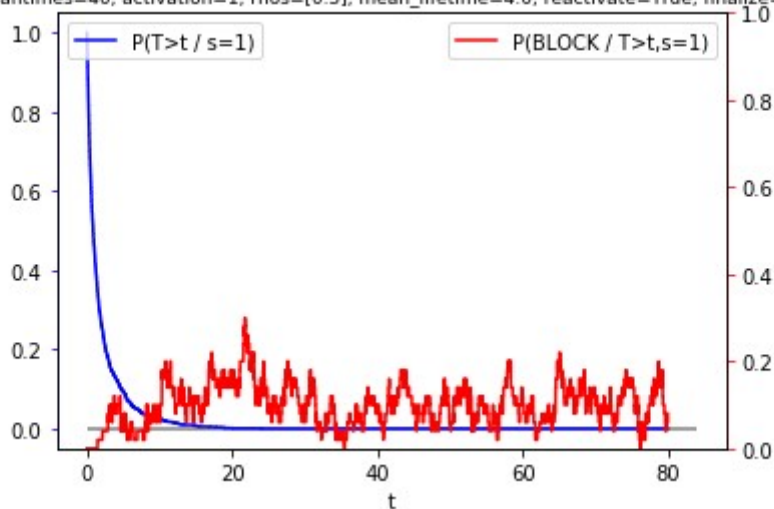
N	n		mean		std		min	
	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)
50	10	10	0.014499	0.012872	0.002573	0.003803	0.009097	0.007595
75	10	10	0.014017	0.014989	0.002114	0.005295	0.009401	0.006550
112	10	10	0.013830	0.014686	0.001737	0.003256	0.011736	0.007648
168	10	10	0.014643	0.015916	0.001645	0.003989	0.012180	0.012098
252	10	10	0.015006	0.013553	0.001355	0.001439	0.012894	0.011145
378	10	10	0.015423	0.013756	0.001254	0.000835	0.013675	0.012563
567	10	10	0.015432	0.014112	0.000927	0.002183	0.013856	0.010751

N	max		SE	
	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)
50	0.017285	0.019194	0.000814	0.001203
75	0.016595	0.025499	0.000669	0.001674
112	0.017140	0.017921	0.000549	0.001030
168	0.017283	0.023228	0.000520	0.001262
252	0.017237	0.015523	0.000429	0.000455
378	0.017927	0.015169	0.000397	0.000264
567	0.016780	0.017799	0.000293	0.000690

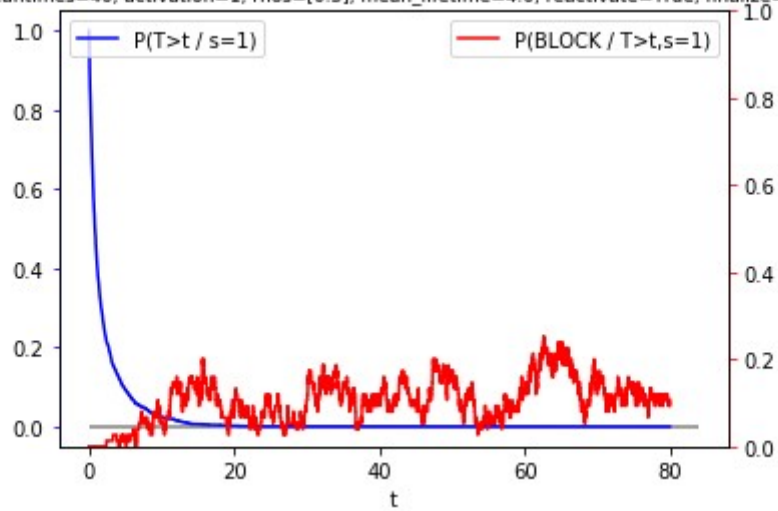
C:\ProgramData\Anaconda\Anaconda3\lib\site-packages\pandas\core\groupby.py:4291: FutureWarning: using a dict with renaming is deprecated and will be removed in a future version

return super(DataFrameGroupBy, self).aggregate(arg, *args, **kwargs)

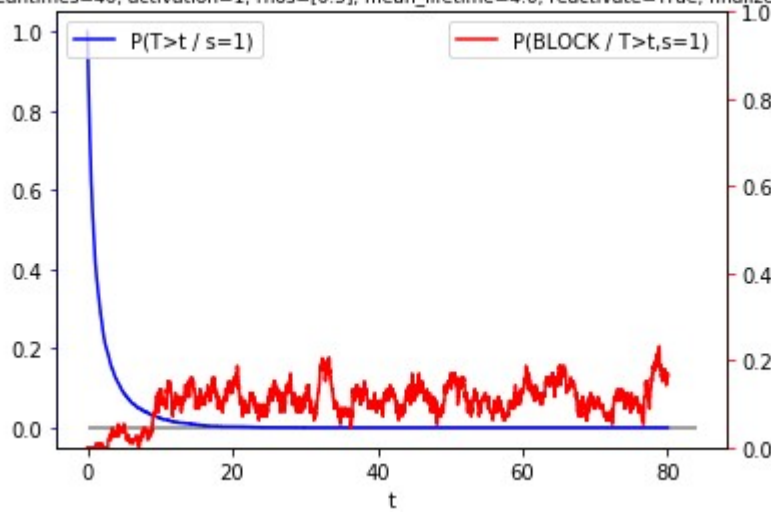
K=5, N=50, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



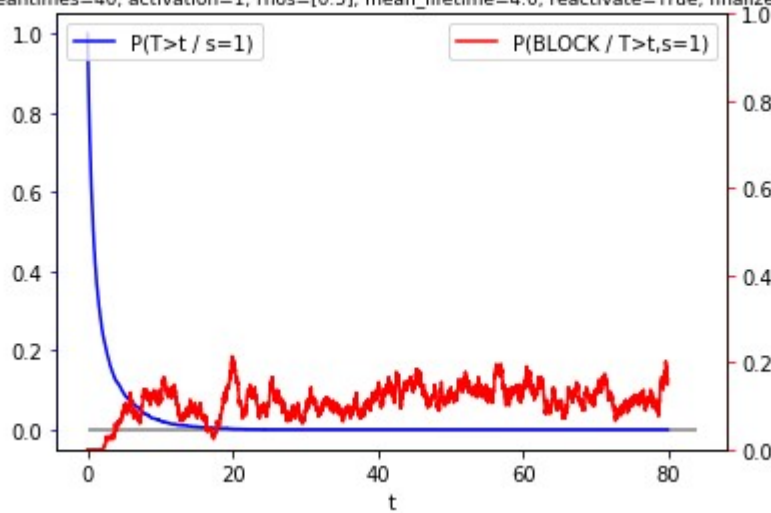
K=5, N=75, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



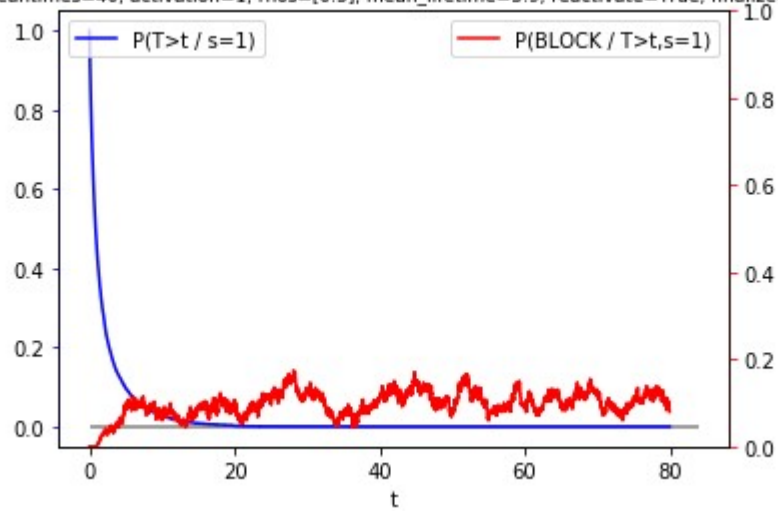
K=5, N=112, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



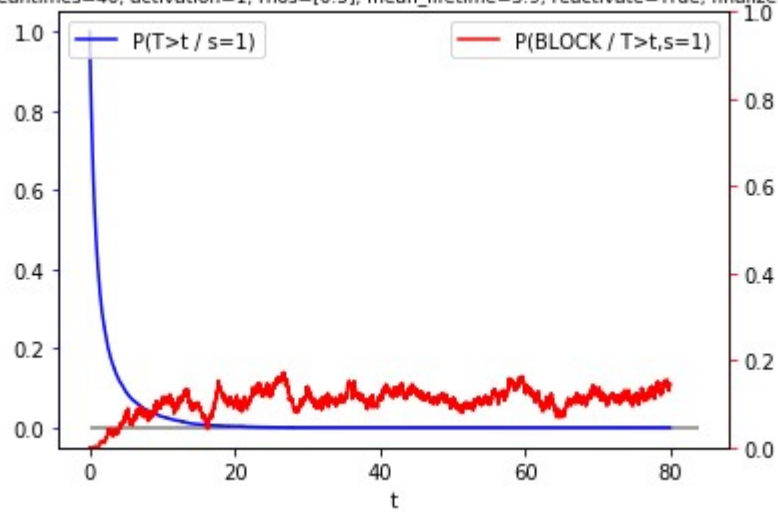
K=5, N=168, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



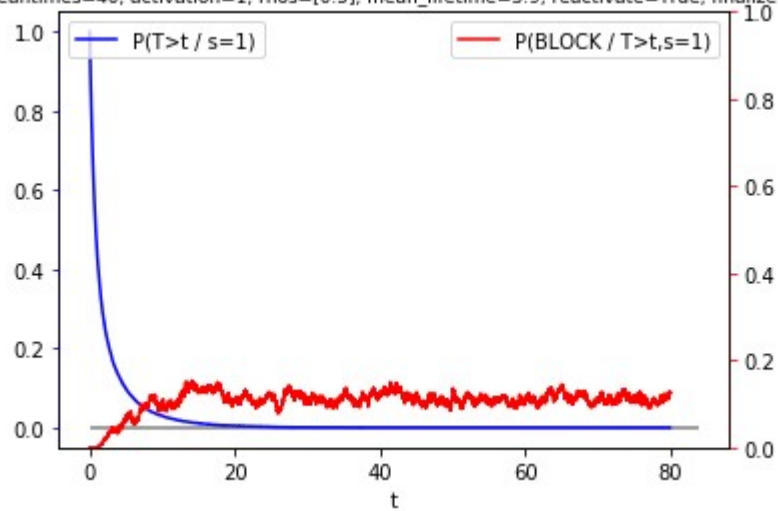
K=5, N=252, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717



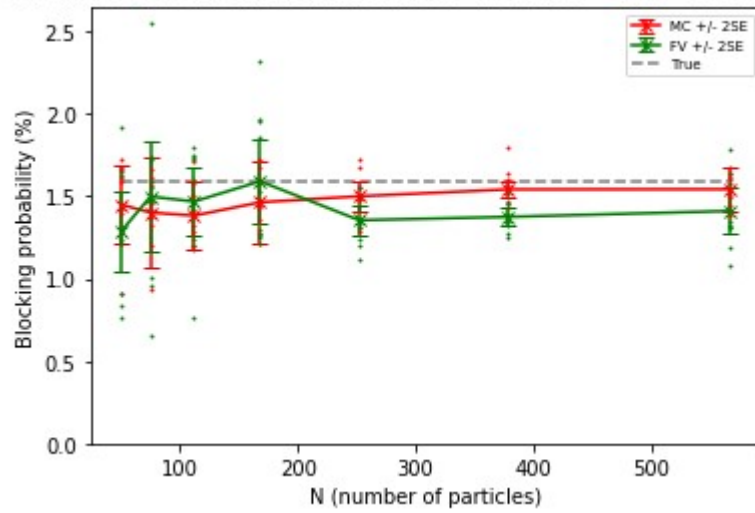
K=5, N=378, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717



K=5, N=567, nmeantimes=40, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717



Simulation results for $c=1$, $K=5$, $\rho_{\text{hos}}=[0.5]$, ($50 \leq N \leq 600$), $T \leq 80$



In [604]: