

P(K) estimated by FV1: 1.463% (simulation time = 20.0)
 P(K) estimated by FV2: 4.899% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 1.7 sec
 P(K) by MC: 2.294%, E(T) = 4.0 (simulation time = 1000.0)
 P(K) estimated by FV1: 1.068% (simulation time = 20.0)
 P(K) estimated by FV2: 4.492% (simulation time = 20.0)
 True P(K): 1.587%
 Running simulation for nparticles=75 on 10 replications (2 of 7)...
 Replication 1 of 10... execution time: 2.4 sec
 P(K) by MC: 1.232%, E(T) = 4.1 (simulation time = 1500.0)
 P(K) estimated by FV1: 0.878% (simulation time = 20.0)
 P(K) estimated by FV2: 2.636% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 2.6 sec
 P(K) by MC: 1.898%, E(T) = 3.8 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.380% (simulation time = 20.0)
 P(K) estimated by FV2: 5.925% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 2.4 sec
 P(K) by MC: 0.807%, E(T) = 3.6 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.537% (simulation time = 20.0)
 P(K) estimated by FV2: 4.592% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 2.4 sec
 P(K) by MC: 1.677%, E(T) = 4.0 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.635% (simulation time = 20.0)
 P(K) estimated by FV2: 4.293% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 2.6 sec
 P(K) by MC: 1.568%, E(T) = 4.2 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.893% (simulation time = 20.0)
 P(K) estimated by FV2: 6.008% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 2.7 sec
 P(K) by MC: 1.739%, E(T) = 3.8 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.265% (simulation time = 20.0)
 P(K) estimated by FV2: 4.605% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 2.3 sec
 P(K) by MC: 0.938%, E(T) = 3.8 (simulation time = 1500.0)
 P(K) estimated by FV1: 2.126% (simulation time = 20.0)
 P(K) estimated by FV2: 6.791% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 2.4 sec
 P(K) by MC: 1.880%, E(T) = 4.2 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.548% (simulation time = 20.0)
 P(K) estimated by FV2: 5.661% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 2.4 sec
 P(K) by MC: 1.938%, E(T) = 3.9 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.965% (simulation time = 20.0)
 P(K) estimated by FV2: 7.024% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 2.5 sec
 P(K) by MC: 1.715%, E(T) = 3.8 (simulation time = 1500.0)
 P(K) estimated by FV1: 1.645% (simulation time = 20.0)
 P(K) estimated by FV2: 4.968% (simulation time = 20.0)
 True P(K): 1.587%
 Running simulation for nparticles=112 on 10 replications (3 of 7)...
 Replication 1 of 10... execution time: 3.6 sec
 P(K) by MC: 1.261%, E(T) = 4.2 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.180% (simulation time = 20.0)
 P(K) estimated by FV2: 4.491% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 4.1 sec
 P(K) by MC: 1.790%, E(T) = 3.8 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.758% (simulation time = 20.0)
 P(K) estimated by FV2: 6.312% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 3.7 sec
 P(K) by MC: 0.761%, E(T) = 3.7 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.044% (simulation time = 20.0)

P(K) estimated by FV2: 3.144% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 3.6 sec
 P(K) by MC: 1.542%, E(T) = 3.9 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.590% (simulation time = 20.0)
 P(K) estimated by FV2: 5.165% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 3.7 sec
 P(K) by MC: 1.909%, E(T) = 4.1 (simulation time = 2240.0)
 P(K) estimated by FV1: 2.411% (simulation time = 20.0)
 P(K) estimated by FV2: 7.519% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 3.6 sec
 P(K) by MC: 1.488%, E(T) = 3.9 (simulation time = 2240.0)
 P(K) estimated by FV1: 2.171% (simulation time = 20.0)
 P(K) estimated by FV2: 10.651% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 3.5 sec
 P(K) by MC: 0.730%, E(T) = 3.8 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.137% (simulation time = 20.0)
 P(K) estimated by FV2: 3.584% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 3.7 sec
 P(K) by MC: 1.479%, E(T) = 4.0 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.363% (simulation time = 20.0)
 P(K) estimated by FV2: 4.771% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 3.8 sec
 P(K) by MC: 1.704%, E(T) = 4.1 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.507% (simulation time = 20.0)
 P(K) estimated by FV2: 4.709% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 3.8 sec
 P(K) by MC: 1.742%, E(T) = 3.9 (simulation time = 2240.0)
 P(K) estimated by FV1: 1.529% (simulation time = 20.0)
 P(K) estimated by FV2: 4.118% (simulation time = 20.0)
 True P(K): 1.587%
 Running simulation for nparticles=168 on 10 replications (4 of 7)...
 Replication 1 of 10... execution time: 5.3 sec
 P(K) by MC: 1.159%, E(T) = 4.1 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.453% (simulation time = 20.0)
 P(K) estimated by FV2: 5.131% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 5.5 sec
 P(K) by MC: 1.698%, E(T) = 3.8 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.112% (simulation time = 20.0)
 P(K) estimated by FV2: 5.483% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 5.3 sec
 P(K) by MC: 0.852%, E(T) = 3.7 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.293% (simulation time = 20.0)
 P(K) estimated by FV2: 3.762% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 5.3 sec
 P(K) by MC: 1.412%, E(T) = 3.8 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.702% (simulation time = 20.0)
 P(K) estimated by FV2: 5.858% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 5.6 sec
 P(K) by MC: 1.698%, E(T) = 4.1 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.513% (simulation time = 20.0)
 P(K) estimated by FV2: 5.092% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 5.5 sec
 P(K) by MC: 1.737%, E(T) = 3.9 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.378% (simulation time = 20.0)
 P(K) estimated by FV2: 5.914% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 5.3 sec
 P(K) by MC: 1.139%, E(T) = 3.8 (simulation time = 3360.0)
 P(K) estimated by FV1: 1.465% (simulation time = 20.0)
 P(K) estimated by FV2: 8.032% (simulation time = 20.0)
 True P(K): 1.587%

Replication 8 of 10... execution time: 5.3 sec
P(K) by MC: 1.543%, E(T) = 4.0 (simulation time = 3360.0)
P(K) estimated by FV1: 1.458% (simulation time = 20.0)
P(K) estimated by FV2: 4.672% (simulation time = 20.0)
True P(K): 1.587%

Replication 9 of 10... execution time: 5.3 sec
P(K) by MC: 1.694%, E(T) = 4.0 (simulation time = 3360.0)
P(K) estimated by FV1: 1.306% (simulation time = 20.0)
P(K) estimated by FV2: 3.458% (simulation time = 20.0)
True P(K): 1.587%

Replication 10 of 10... execution time: 5.4 sec
P(K) by MC: 1.580%, E(T) = 3.9 (simulation time = 3360.0)
P(K) estimated by FV1: 2.091% (simulation time = 20.0)
P(K) estimated by FV2: 6.840% (simulation time = 20.0)
True P(K): 1.587%

Running simulation for nparticles=252 on 10 replications (5 of 7)...

Replication 1 of 10... execution time: 8.1 sec
P(K) by MC: 1.120%, E(T) = 4.0 (simulation time = 5040.0)
P(K) estimated by FV1: 1.533% (simulation time = 20.0)
P(K) estimated by FV2: 5.998% (simulation time = 20.0)
True P(K): 1.587%

Replication 2 of 10... execution time: 8.4 sec
P(K) by MC: 1.361%, E(T) = 3.9 (simulation time = 5040.0)
P(K) estimated by FV1: 1.485% (simulation time = 20.0)
P(K) estimated by FV2: 5.639% (simulation time = 20.0)
True P(K): 1.587%

Replication 3 of 10... execution time: 8.0 sec
P(K) by MC: 0.985%, E(T) = 3.8 (simulation time = 5040.0)
P(K) estimated by FV1: 1.162% (simulation time = 20.0)
P(K) estimated by FV2: 3.837% (simulation time = 20.0)
True P(K): 1.587%

Replication 4 of 10... execution time: 8.1 sec
P(K) by MC: 1.471%, E(T) = 3.8 (simulation time = 5040.0)
P(K) estimated by FV1: 1.211% (simulation time = 20.0)
P(K) estimated by FV2: 3.806% (simulation time = 20.0)
True P(K): 1.587%

Replication 5 of 10... execution time: 8.3 sec
P(K) by MC: 1.598%, E(T) = 3.9 (simulation time = 5040.0)
P(K) estimated by FV1: 1.581% (simulation time = 20.0)
P(K) estimated by FV2: 4.643% (simulation time = 20.0)
True P(K): 1.587%

Replication 6 of 10... execution time: 7.9 sec
P(K) by MC: 1.635%, E(T) = 4.0 (simulation time = 5040.0)
P(K) estimated by FV1: 1.174% (simulation time = 20.0)
P(K) estimated by FV2: 4.440% (simulation time = 20.0)
True P(K): 1.587%

Replication 7 of 10... execution time: 8.2 sec
P(K) by MC: 1.185%, E(T) = 3.8 (simulation time = 5040.0)
P(K) estimated by FV1: 0.997% (simulation time = 20.0)
P(K) estimated by FV2: 4.010% (simulation time = 20.0)
True P(K): 1.587%

Replication 8 of 10... execution time: 7.8 sec
P(K) by MC: 1.491%, E(T) = 4.0 (simulation time = 5040.0)
P(K) estimated by FV1: 1.365% (simulation time = 20.0)
P(K) estimated by FV2: 4.076% (simulation time = 20.0)
True P(K): 1.587%

Replication 9 of 10... execution time: 7.8 sec
P(K) by MC: 1.754%, E(T) = 4.0 (simulation time = 5040.0)
P(K) estimated by FV1: 1.217% (simulation time = 20.0)
P(K) estimated by FV2: 3.077% (simulation time = 20.0)
True P(K): 1.587%

Replication 10 of 10... execution time: 7.9 sec
P(K) by MC: 1.415%, E(T) = 3.8 (simulation time = 5040.0)
P(K) estimated by FV1: 1.844% (simulation time = 20.0)
P(K) estimated by FV2: 5.668% (simulation time = 20.0)
True P(K): 1.587%

Running simulation for nparticles=378 on 10 replications (6 of 7)...

Replication 1 of 10... execution time: 11.8 sec
P(K) by MC: 1.386%, E(T) = 4.0 (simulation time = 7560.0)
P(K) estimated by FV1: 1.432% (simulation time = 20.0)
P(K) estimated by FV2: 5.456% (simulation time = 20.0)
True P(K): 1.587%

Replication 2 of 10... execution time: 12.5 sec

P(K) by MC: 1.432%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.776% (simulation time = 20.0)
 P(K) estimated by FV2: 6.502% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 12.1 sec
 P(K) by MC: 1.023%, E(T) = 3.8 (simulation time = 7560.0)
 P(K) estimated by FV1: 0.953% (simulation time = 20.0)
 P(K) estimated by FV2: 3.613% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 17.3 sec
 P(K) by MC: 1.449%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.525% (simulation time = 20.0)
 P(K) estimated by FV2: 5.736% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 12.5 sec
 P(K) by MC: 1.416%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.345% (simulation time = 20.0)
 P(K) estimated by FV2: 4.394% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 12.3 sec
 P(K) by MC: 1.760%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.529% (simulation time = 20.0)
 P(K) estimated by FV2: 6.981% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 13.2 sec
 P(K) by MC: 1.144%, E(T) = 3.8 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.458% (simulation time = 20.0)
 P(K) estimated by FV2: 6.839% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 12.2 sec
 P(K) by MC: 1.249%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.662% (simulation time = 20.0)
 P(K) estimated by FV2: 5.623% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 12.4 sec
 P(K) by MC: 1.566%, E(T) = 4.0 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.642% (simulation time = 20.0)
 P(K) estimated by FV2: 5.095% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 12.5 sec
 P(K) by MC: 1.369%, E(T) = 3.9 (simulation time = 7560.0)
 P(K) estimated by FV1: 1.852% (simulation time = 20.0)
 P(K) estimated by FV2: 5.812% (simulation time = 20.0)
 True P(K): 1.587%
 Running simulation for nparticles=567 on 10 replications (7 of 7)...
 Replication 1 of 10... execution time: 19.1 sec
 P(K) by MC: 1.339%, E(T) = 4.0 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.405% (simulation time = 20.0)
 P(K) estimated by FV2: 4.679% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 2 of 10... execution time: 22.1 sec
 P(K) by MC: 1.486%, E(T) = 4.0 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.528% (simulation time = 20.0)
 P(K) estimated by FV2: 4.286% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 3 of 10... execution time: 19.2 sec
 P(K) by MC: 1.137%, E(T) = 3.8 (simulation time = 11340.0)
 P(K) estimated by FV1: 0.980% (simulation time = 20.0)
 P(K) estimated by FV2: 3.685% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 4 of 10... execution time: 19.1 sec
 P(K) by MC: 1.604%, E(T) = 3.9 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.456% (simulation time = 20.0)
 P(K) estimated by FV2: 5.099% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 5 of 10... execution time: 19.5 sec
 P(K) by MC: 1.440%, E(T) = 3.9 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.265% (simulation time = 20.0)
 P(K) estimated by FV2: 4.246% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 6 of 10... execution time: 19.6 sec
 P(K) by MC: 1.688%, E(T) = 4.0 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.647% (simulation time = 20.0)

P(K) estimated by FV2: 6.135% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 7 of 10... execution time: 18.9 sec
 P(K) by MC: 1.402%, E(T) = 3.9 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.512% (simulation time = 20.0)
 P(K) estimated by FV2: 5.366% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 8 of 10... execution time: 19.1 sec
 P(K) by MC: 1.442%, E(T) = 3.9 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.744% (simulation time = 20.0)
 P(K) estimated by FV2: 5.609% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 9 of 10... execution time: 19.0 sec
 P(K) by MC: 1.608%, E(T) = 4.0 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.715% (simulation time = 20.0)
 P(K) estimated by FV2: 6.464% (simulation time = 20.0)
 True P(K): 1.587%
 Replication 10 of 10... execution time: 19.9 sec
 P(K) by MC: 1.378%, E(T) = 3.9 (simulation time = 11340.0)
 P(K) estimated by FV1: 1.955% (simulation time = 20.0)
 P(K) estimated by FV2: 6.095% (simulation time = 20.0)
 True P(K): 1.587%

Total execution time: 9.0 min

Simulation results for $c=1$, $K=5$, $\rho_{hos}=[0.5]$, ($50 \leq N \leq 600$), $T \leq 20$

Raw results by N:

	N	replication	Pr(MC)	Time(MC)	E(T)	Pr(FV)	Time(FV)	\
1	50	1	0.009517	1000.0	4.037939	0.018912	20.0	
1	50	2	0.017621	1000.0	3.769863	0.004699	20.0	
1	50	3	0.011660	1000.0	3.660527	0.013922	20.0	
1	50	4	0.019223	1000.0	3.919891	0.018526	20.0	
1	50	5	0.015481	1000.0	4.190772	0.017716	20.0	
1	50	6	0.021070	1000.0	3.961553	0.010357	20.0	
1	50	7	0.012020	1000.0	3.739551	0.010764	20.0	
1	50	8	0.024682	1000.0	4.129201	0.014378	20.0	
1	50	9	0.019832	1000.0	3.983336	0.014635	20.0	
1	50	10	0.022943	1000.0	4.046470	0.010679	20.0	
2	75	1	0.012320	1500.0	4.093068	0.008781	20.0	
2	75	2	0.018975	1500.0	3.813710	0.013801	20.0	
2	75	3	0.008067	1500.0	3.621072	0.015365	20.0	
2	75	4	0.016766	1500.0	3.987768	0.016351	20.0	
2	75	5	0.015677	1500.0	4.235718	0.018931	20.0	
2	75	6	0.017389	1500.0	3.798729	0.012654	20.0	
2	75	7	0.009383	1500.0	3.790299	0.021263	20.0	
2	75	8	0.018804	1500.0	4.208646	0.015477	20.0	
2	75	9	0.019379	1500.0	3.924832	0.019652	20.0	
2	75	10	0.017148	1500.0	3.809408	0.016454	20.0	
3	112	1	0.012614	2240.0	4.177593	0.011799	20.0	
3	112	2	0.017897	2240.0	3.814497	0.017576	20.0	
3	112	3	0.007614	2240.0	3.658885	0.010440	20.0	
3	112	4	0.015421	2240.0	3.894965	0.015899	20.0	
3	112	5	0.019094	2240.0	4.109107	0.024114	20.0	
3	112	6	0.014877	2240.0	3.851202	0.021713	20.0	
3	112	7	0.007303	2240.0	3.821448	0.011373	20.0	
3	112	8	0.014788	2240.0	4.007005	0.013631	20.0	
3	112	9	0.017044	2240.0	4.053191	0.015071	20.0	
3	112	10	0.017420	2240.0	3.877872	0.015293	20.0	
...	
5	252	1	0.011200	5040.0	3.952503	0.015328	20.0	
5	252	2	0.013608	5040.0	3.879711	0.014849	20.0	
5	252	3	0.009850	5040.0	3.762114	0.011617	20.0	
5	252	4	0.014712	5040.0	3.806382	0.012108	20.0	
5	252	5	0.015976	5040.0	3.936310	0.015813	20.0	
5	252	6	0.016352	5040.0	3.956794	0.011742	20.0	
5	252	7	0.011853	5040.0	3.840166	0.009975	20.0	
5	252	8	0.014908	5040.0	3.951534	0.013651	20.0	
5	252	9	0.017544	5040.0	3.974609	0.012166	20.0	
5	252	10	0.014149	5040.0	3.809634	0.018436	20.0	
6	378	1	0.013858	7560.0	4.005252	0.014316	20.0	
6	378	2	0.014317	7560.0	3.892863	0.017756	20.0	
6	378	3	0.010232	7560.0	3.784968	0.009534	20.0	
6	378	4	0.014491	7560.0	3.893692	0.015247	20.0	
6	378	5	0.014161	7560.0	3.876818	0.013451	20.0	
6	378	6	0.017602	7560.0	3.912086	0.015294	20.0	

6	378	7	0.011436	7560.0	3.835536	0.014577	20.0
6	378	8	0.012488	7560.0	3.916884	0.016622	20.0
6	378	9	0.015663	7560.0	3.951361	0.016416	20.0
6	378	10	0.013694	7560.0	3.878378	0.018518	20.0
7	567	1	0.013393	11340.0	3.989736	0.014050	20.0
7	567	2	0.014864	11340.0	3.957284	0.015280	20.0
7	567	3	0.011366	11340.0	3.795776	0.009797	20.0
7	567	4	0.016039	11340.0	3.905205	0.014561	20.0
7	567	5	0.014399	11340.0	3.868555	0.012654	20.0
7	567	6	0.016878	11340.0	3.986672	0.016470	20.0
7	567	7	0.014019	11340.0	3.940741	0.015119	20.0
7	567	8	0.014422	11340.0	3.936923	0.017441	20.0
7	567	9	0.016083	11340.0	3.984511	0.017153	20.0
7	567	10	0.013784	11340.0	3.878656	0.019546	20.0

	Pr(K)	exec_time(s)
1	0.015873	1.491000
1	0.015873	1.624701
1	0.015873	1.721687
1	0.015873	1.528752
1	0.015873	1.563504
1	0.015873	1.639741
1	0.015873	2.203275
1	0.015873	2.058181
1	0.015873	1.761524
1	0.015873	1.675032
2	0.015873	2.393018
2	0.015873	2.624158
2	0.015873	2.447851
2	0.015873	2.419074
2	0.015873	2.628496
2	0.015873	2.703923
2	0.015873	2.344258
2	0.015873	2.365276
2	0.015873	2.393555
2	0.015873	2.518845
3	0.015873	3.577268
3	0.015873	4.087189
3	0.015873	3.719612
3	0.015873	3.584710
3	0.015873	3.653831
3	0.015873	3.622599
3	0.015873	3.545571
3	0.015873	3.703374
3	0.015873	3.781316
3	0.015873	3.784301
..
5	0.015873	8.062159
5	0.015873	8.391426
5	0.015873	8.034855
5	0.015873	8.082543
5	0.015873	8.329941
5	0.015873	7.869975
5	0.015873	8.229636
5	0.015873	7.817752
5	0.015873	7.844056
5	0.015873	7.863593
6	0.015873	11.843483
6	0.015873	12.527914
6	0.015873	12.118329
6	0.015873	17.274748
6	0.015873	12.508650
6	0.015873	12.304819
6	0.015873	13.182458
6	0.015873	12.209270
6	0.015873	12.403904
6	0.015873	12.479074
7	0.015873	19.087807
7	0.015873	22.085406
7	0.015873	19.217082
7	0.015873	19.064346
7	0.015873	19.524310
7	0.015873	19.631362

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7  0.015873    18.909916
7  0.015873    19.119451
7  0.015873    18.966479
7  0.015873    19.850069

```

[70 rows x 9 columns]

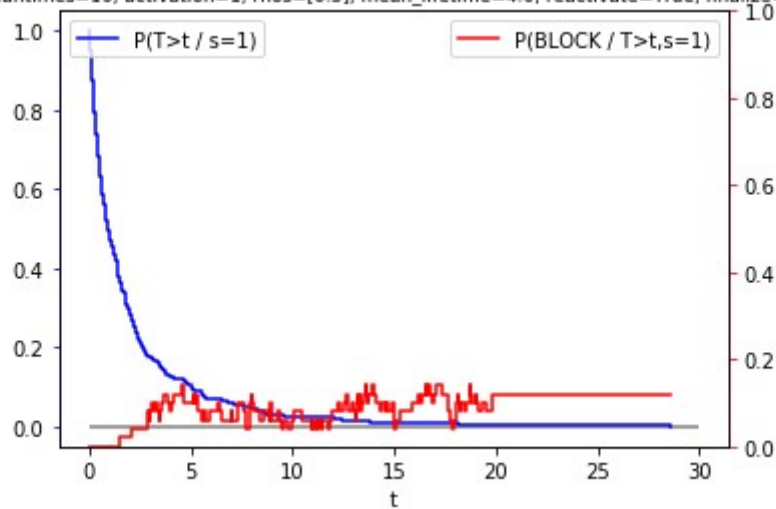
Aggregated results by N:

	n		mean		std		min	
	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)
N								
50	10	10	0.017405	0.013459	0.005101	0.004439	0.009517	0.004699
75	10	10	0.015391	0.015873	0.004064	0.003630	0.008067	0.008781
112	10	10	0.014407	0.015691	0.004102	0.004434	0.007303	0.010440
168	10	10	0.014514	0.014770	0.003039	0.002659	0.008521	0.011115
252	10	10	0.014015	0.013569	0.002431	0.002531	0.009850	0.009975
378	10	10	0.013794	0.015173	0.002078	0.002525	0.010232	0.009534
567	10	10	0.014525	0.015207	0.001580	0.002724	0.011366	0.009797

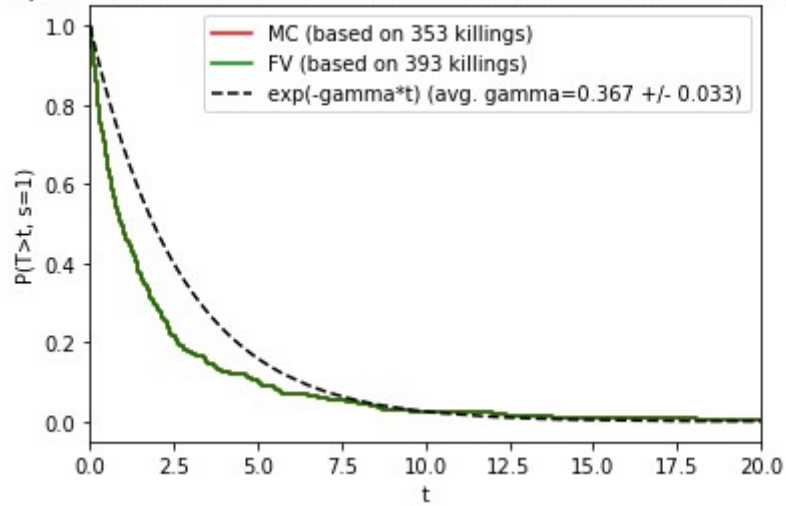
	max		SE	
	Pr(MC)	Pr(FV)	Pr(MC)	Pr(FV)
N				
50	0.024682	0.018912	0.001613	0.001404
75	0.019379	0.021263	0.001285	0.001148
112	0.019094	0.024114	0.001297	0.001402
168	0.017374	0.020911	0.000961	0.000841
252	0.017544	0.018436	0.000769	0.000800
378	0.017602	0.018518	0.000657	0.000798
567	0.016878	0.019546	0.000500	0.000861

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)

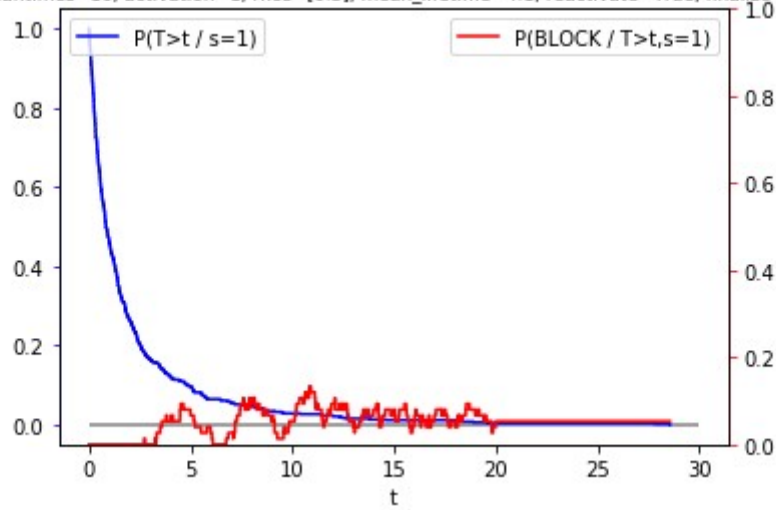
K=5, N=50, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



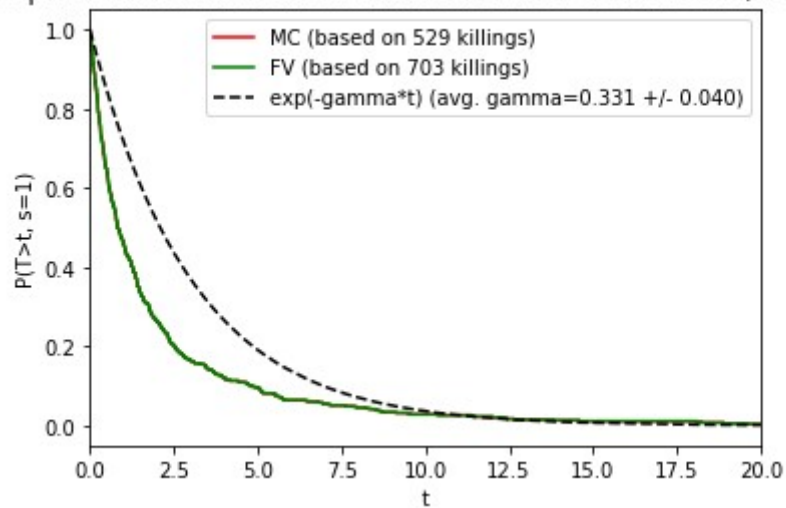
Comparison between the MC estimate and the FV estimate of $P(T > t / s=1)$



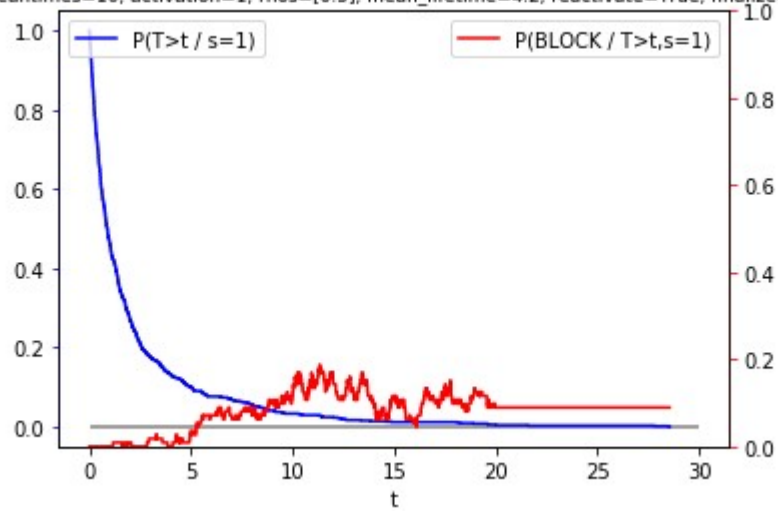
$K=5$, $N=75$, $n\text{meantimes}=10$, $\text{activation}=1$, $\text{rhos}=[0.5]$, $\text{mean_lifetime}=4.1$, $\text{reactivate}=\text{True}$, $\text{finalize}=\text{ABS}$, $\text{seed}=1717$



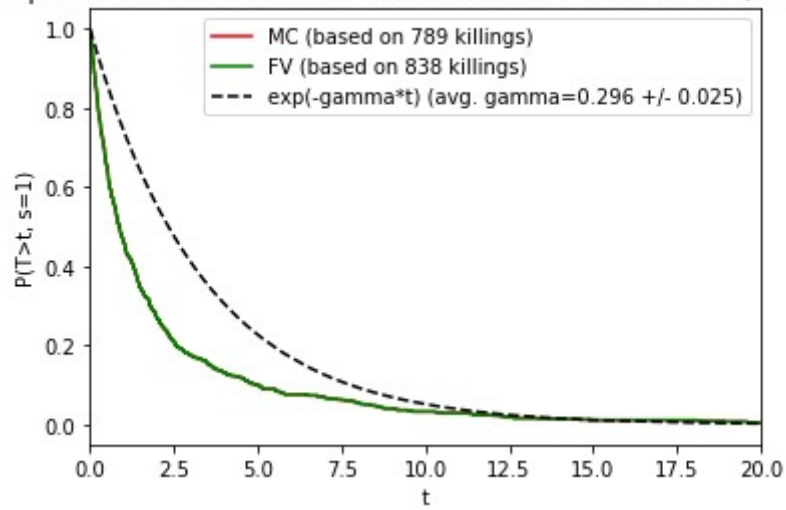
Comparison between the MC estimate and the FV estimate of $P(T > t / s=1)$



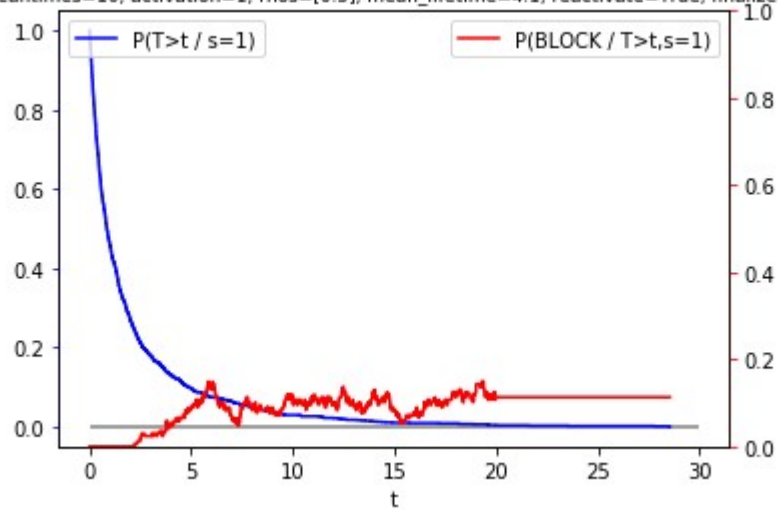
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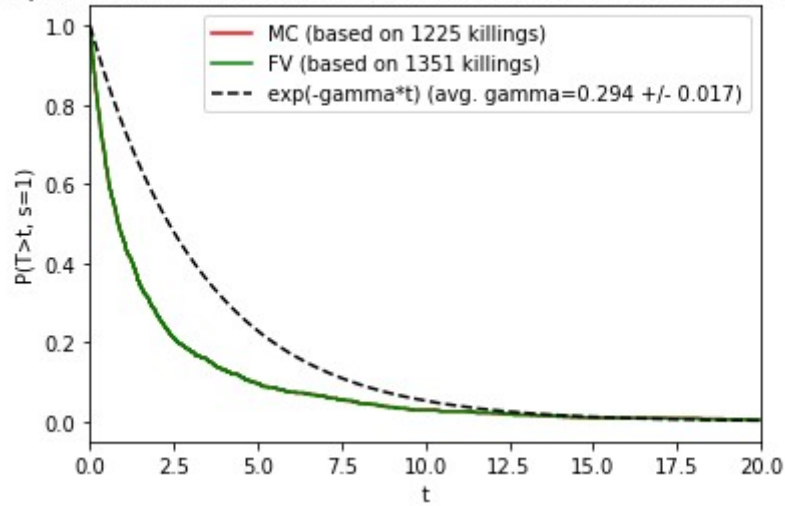
Comparison between the MC estimate and the FV estimate of $P(T > t / s=1)$



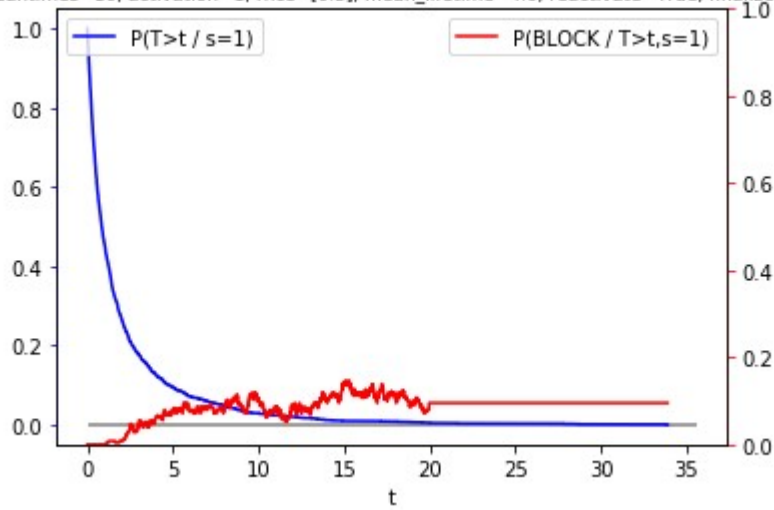
K=5, N=168, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.1, reactivate=True, finalize=ABS, seed=1717



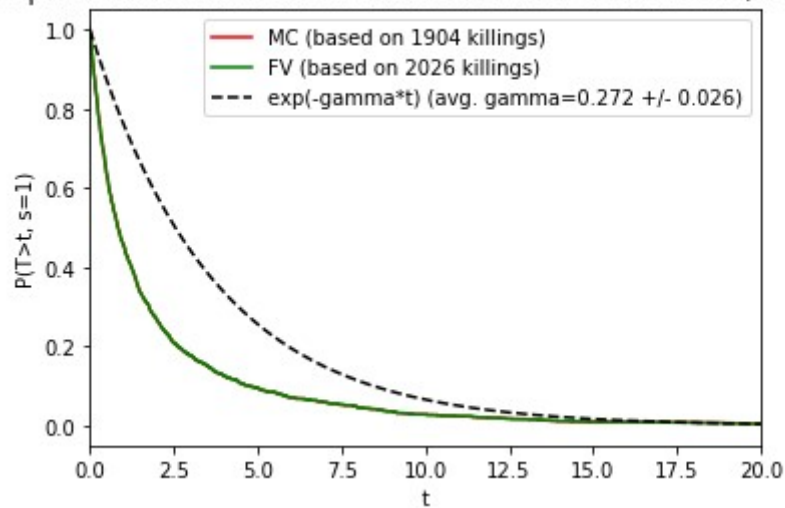
Comparison between the MC estimate and the FV estimate of $P(T>t / s=1)$



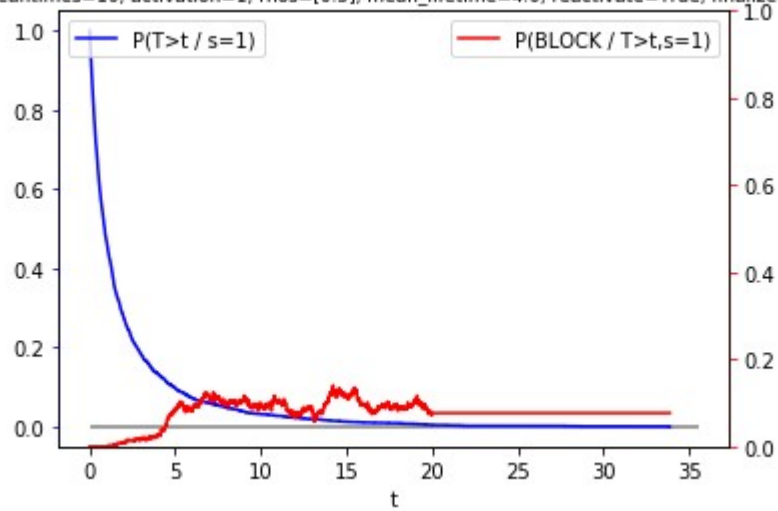
$K=5, N=252, n\text{meantimes}=10, \text{activation}=1, \text{rhos}=[0.5], \text{mean_lifetime}=4.0, \text{reactivate}=\text{True}, \text{finalize}=\text{ABS}, \text{seed}=1717$



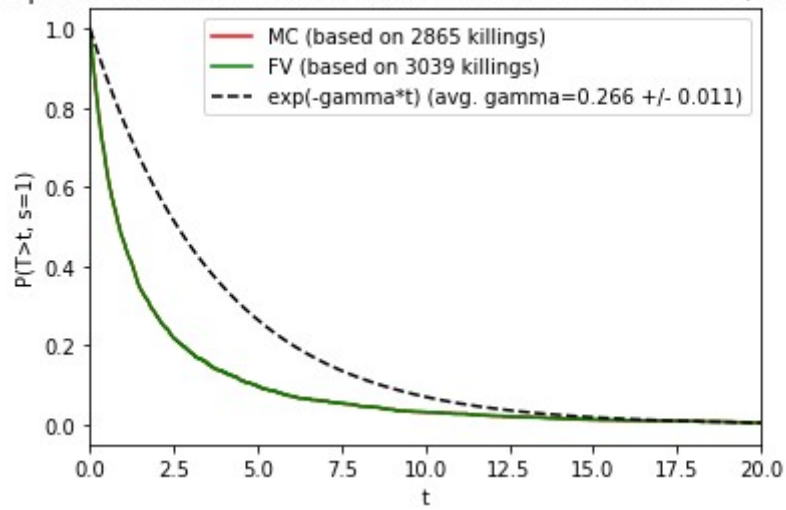
Comparison between the MC estimate and the FV estimate of $P(T>t / s=1)$



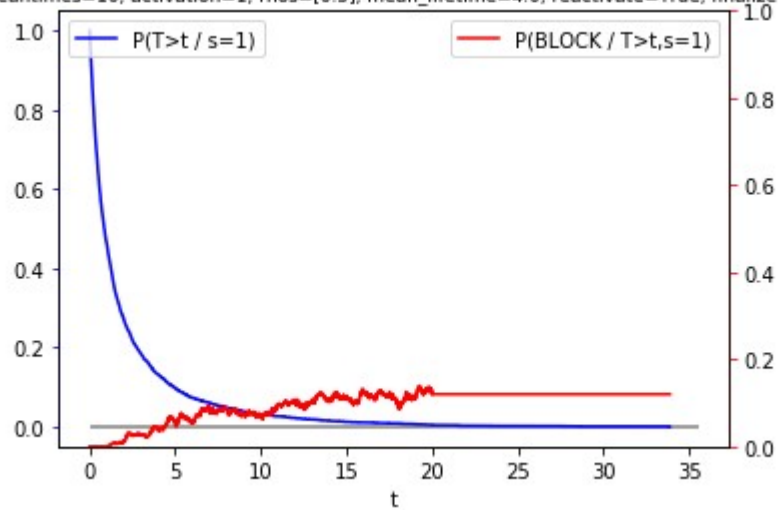
K=5, N=378, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



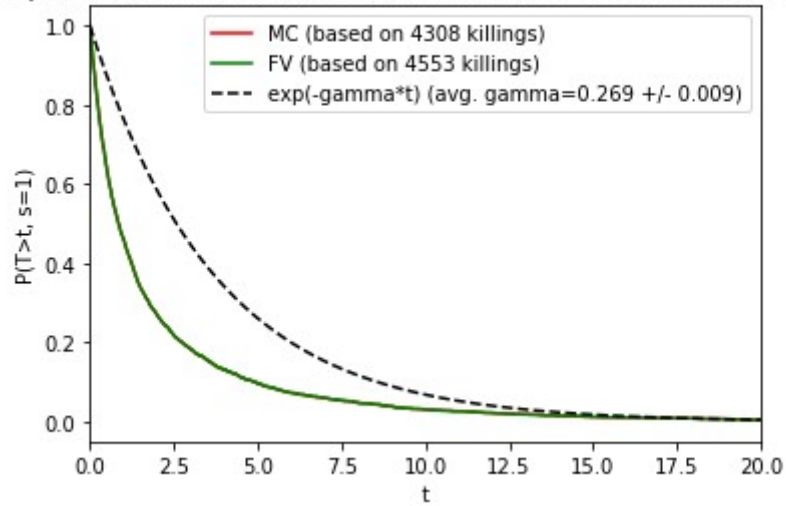
Comparison between the MC estimate and the FV estimate of $P(T > t / s=1)$



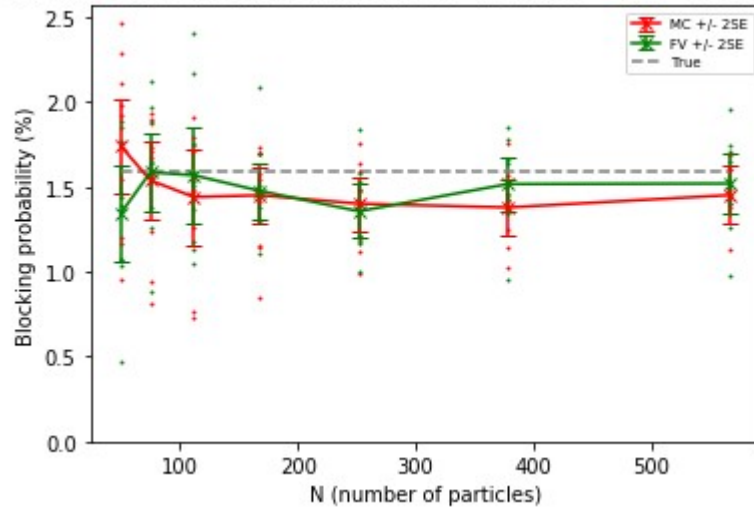
K=5, N=567, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



Comparison between the MC estimate and the FV estimate of $P(T>t / s=1)$



Simulation results for $c=1$, $K=5$, $\text{rhos}=[0.5]$, ($50 \leq N \leq 600$), $T \leq 20$



In [744]: