```
        P(K) estimated by FV2: 0.388% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 1.4 sec
        P(K) by MC: 1.202%, E(T) = 3.7 (simulation time = 1000.0)
        P(K) estimated by FV1: 0.772% (simulation time = 20.0)
        P(K) estimated by FV2: 3.160% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 1.3 sec
        P(K) by MC: 2.468%, E(T) = 4.1 (simulation time = 1000.0)
        P(K) estimated by FV1: 0.755% (simulation time = 20.0)
        P(K) estimated by FV2: 2.728% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 1.3 sec
        P(K) by MC: 1.983%, E(T) = 4.0 (simulation time = 1000.0)
        P(K) estimated by FV1: 0.666% (simulation time = 20.0)
        P(K) estimated by FV2: 2.676% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 1.4 sec
        P(K) by MC: 2.294%, E(T) = 4.0 (simulation time = 1000.0)
        P(K) estimated by FV1: 1.580% (simulation time = 20.0)
        P(K) estimated by FV2: 4.073% (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: 2.2 sec
        P(K) by MC: 1.232%, E(T) = 4.1 (simulation time = 1500.0)
        P(K) estimated by FV1: 0.408% (simulation time = 20.0)
        P(K) estimated by FV2: 0.912% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 2.2 sec
        P(K) by MC: 1.898%, E(T) = 3.8 (simulation time = 1500.0)
        P(K) estimated by FV1: 0.911% (simulation time = 20.0)
        P(K) estimated by FV2: 4.540% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 2.0 sec
        P(K) by MC: 0.807%, E(T) = 3.6 (simulation time = 1500.0)
        P(K) estimated by FV1: 1.532% (simulation time = 20.0)
        P(K) estimated by FV2: 3.662% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 2.0 sec
        P(K) by MC: 1.677%, E(T) = 4.0 (simulation time = 1500.0)
        P(K) estimated by FV1: 0.743% (simulation time = 20.0)
        P(K) estimated by FV2: 2.160% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 2.2 sec
        P(K) by MC: 1.568%, E(T) = 4.2 (simulation time = 1500.0)
        P(K) estimated by FV1: 1.048% (simulation time = 20.0)
        P(K) estimated by FV2: 3.712% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 2.2 sec
        P(K) by MC: 1.739%, E(T) = 3.8 (simulation time = 1500.0)
        P(K) estimated by FV1: 0.700% (simulation time = 20.0)
        P(K) estimated by FV2: 2.056% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 2.1 sec
        P(K) by MC: 0.938%, E(T) = 3.8 (simulation time = 1500.0)
        P(K) estimated by FV1: 2.196% (simulation time = 20.0)
        P(K) estimated by FV2: 8.084% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 2.2 sec
        P(K) by MC: 1.880%, E(T) = 4.2 (simulation time = 1500.0)
        P(K) estimated by FV1: 1.011% (simulation time = 20.0)
        P(K) estimated by FV2: 4.182% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 2.8 sec
        P(K) by MC: 1.938%, E(T) = 3.9 (simulation time = 1500.0)
        P(K) estimated by FV1: 0.647% (simulation time = 20.0)
        P(K) estimated by FV2: 2.384% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 2.3 sec
        P(K) by MC: 1.715%, E(T) = 3.8 (simulation time = 1500.0)
        P(K) estimated by FV1: 1.123% (simulation time = 20.0)
        P(K) estimated by FV2: 4.590% (simulation time = 20.0)
        True P(K): 1.587%
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Running simulation for nparticles=112 on 10 replications (3 of 7)...
        Replication 1 of 10... execution time: 3.4 sec
        P(K) by MC: 1.261%, E(T) = 4.2 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.518% (simulation time = 20.0)
        P(K) estimated by FV2: 2.538% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 3.4 sec
        P(K) by MC: 1.790%, E(T) = 3.8 (simulation time = 2240.0)
        P(K) estimated by FV1: 1.093% (simulation time = 20.0)
        P(K) estimated by FV2: 4.961% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 3.9 sec
        P(K) by MC: 0.761%, E(T) = 3.7 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.979% (simulation time = 20.0)
        P(K) estimated by FV2: 2.427% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 3.2 sec
        P(K) by MC: 1.542%, E(T) = 3.9 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.908% (simulation time = 20.0)
        P(K) estimated by FV2: 3.382% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 3.3 sec
        P(K) by MC: 1.909%, E(T) = 4.1 (simulation time = 2240.0)
        P(K) estimated by FV1: 1.370% (simulation time = 20.0)
        P(K) estimated by FV2: 4.847% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 3.3 sec
        P(K) by MC: 1.488%, E(T) = 3.9 (simulation time = 2240.0)
        P(K) estimated by FV1: 1.607% (simulation time = 20.0)
        P(K) estimated by FV2: 5.147% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 3.4 sec
        P(K) by MC: 0.730%, E(T) = 3.8 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.706% (simulation time = 20.0)
        P(K) estimated by FV2: 3.347% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 3.5 sec
        P(K) by MC: 1.479%, E(T) = 4.0 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.908% (simulation time = 20.0)
        P(K) estimated by FV2: 3.464% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 3.9 sec
        P(K) by MC: 1.704%, E(T) = 4.1 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.766% (simulation time = 20.0)
        P(K) estimated by FV2: 3.070% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 5.9 sec
        P(K) by MC: 1.742%, E(T) = 3.9 (simulation time = 2240.0)
        P(K) estimated by FV1: 0.958% (simulation time = 20.0)
        P(K) estimated by FV2: 2.745% (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: 0.727% (simulation time = 20.0)
        P(K) estimated by FV2: 2.200% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 5.4 sec
        P(K) by MC: 1.698%, E(T) = 3.8 (simulation time = 3360.0)
        P(K) estimated by FV1: 0.751% (simulation time = 20.0)
        P(K) estimated by FV2: 3.314% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 5.2 sec
        P(K) by MC: 0.852%, E(T) = 3.7 (simulation time = 3360.0)
        P(K) estimated by FV1: 1.069% (simulation time = 20.0)
        P(K) estimated by FV2: 2.499% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 5.7 sec
        P(K) by MC: 1.412%, E(T) = 3.8 (simulation time = 3360.0)
        P(K) estimated by FV1: 1.031% (simulation time = 20.0)
        P(K) estimated by FV2: 4.385% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 5.4 sec
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        P(K) by MC: 1.698%, E(T) = 4.1 (simulation time = 3360.0)
        P(K) estimated by FV1: 0.623% (simulation time = 20.0)
        P(K) estimated by FV2: 3.492% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 5.9 sec
        P(K) by MC: 1.737%, E(T) = 3.9 (simulation time = 3360.0)
        P(K) estimated by FV1: 0.781% (simulation time = 20.0)
        P(K) estimated by FV2: 2.579% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 6.6 sec
        P(K) by MC: 1.139%, E(T) = 3.8 (simulation time = 3360.0)
        P(K) estimated by FV1: 1.012% (simulation time = 20.0)
        P(K) estimated by FV2: 4.966% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 5.8 sec
        P(K) by MC: 1.543%, E(T) = 4.0 (simulation time = 3360.0)
        P(K) estimated by FV1: 1.020% (simulation time = 20.0)
        P(K) estimated by FV2: 3.772% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 5.8 sec
        P(K) by MC: 1.694%, E(T) = 4.0 (simulation time = 3360.0)
        P(K) estimated by FV1: 0.717% (simulation time = 20.0)
        P(K) estimated by FV2: 2.357% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 7.5 sec
        P(K) by MC: 1.580%, E(T) = 3.9 (simulation time = 3360.0)
        P(K) estimated by FV1: 1.249% (simulation time = 20.0)
        P(K) estimated by FV2: 5.010% (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: 9.2 sec
        P(K) by MC: 1.120%, E(T) = 4.0 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.821% (simulation time = 20.0)
        P(K) estimated by FV2: 2.642% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 17.3 sec
        P(K) by MC: 1.361%, E(T) = 3.9 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.886% (simulation time = 20.0)
        P(K) estimated by FV2: 4.011% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 11.3 sec
        P(K) by MC: 0.985%, E(T) = 3.8 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.918% (simulation time = 20.0)
        P(K) estimated by FV2: 2.838% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 9.0 sec
        P(K) by MC: 1.471%, E(T) = 3.8 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.725% (simulation time = 20.0)
        P(K) estimated by FV2: 2.639% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 13.7 sec
        P(K) by MC: 1.598%, E(T) = 3.9 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.938% (simulation time = 20.0)
        P(K) estimated by FV2: 2.646% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 10.0 sec
        P(K) by MC: 1.635%, E(T) = 4.0 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.606% (simulation time = 20.0)
        P(K) estimated by FV2: 1.573% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 9.4 sec
        P(K) by MC: 1.185%, E(T) = 3.8 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.602% (simulation time = 20.0)
        P(K) estimated by FV2: 2.450% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 10.2 sec
        P(K) by MC: 1.491%, E(T) = 4.0 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.754% (simulation time = 20.0)
        P(K) estimated by FV2: 2.901% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 9.1 sec
        P(K) by MC: 1.754%, E(T) = 4.0 (simulation time = 5040.0)
        P(K) estimated by FV1: 0.655% (simulation time = 20.0)
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        P(K) estimated by FV2: 1.967% (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: 1.179% (simulation time = 20.0)
        P(K) estimated by FV2: 4.087% (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: 12.0 sec
        P(K) by MC: 1.386%, E(T) = 4.0 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.668% (simulation time = 20.0)
        P(K) estimated by FV2: 2.371% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 15.0 sec
        P(K) by MC: 1.432%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 1.120% (simulation time = 20.0)
        P(K) estimated by FV2: 4.226% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 11.9 sec
        P(K) by MC: 1.023%, E(T) = 3.8 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.675% (simulation time = 20.0)
        P(K) estimated by FV2: 1.829% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 12.7 sec
        P(K) by MC: 1.449%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.841% (simulation time = 20.0)
        P(K) estimated by FV2: 3.311% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 12.7 sec
        P(K) by MC: 1.416%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.729% (simulation time = 20.0)
        P(K) estimated by FV2: 2.914% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 14.2 sec
        P(K) by MC: 1.760%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.791% (simulation time = 20.0)
        P(K) estimated by FV2: 2.956% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 16.4 sec
        P(K) by MC: 1.144%, E(T) = 3.8 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.887% (simulation time = 20.0)
        P(K) estimated by FV2: 4.069% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 14.3 sec
        P(K) by MC: 1.249%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 1.001% (simulation time = 20.0)
        P(K) estimated by FV2: 3.758% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 13.8 sec
        P(K) by MC: 1.566%, E(T) = 4.0 (simulation time = 7560.0)
        P(K) estimated by FV1: 0.970% (simulation time = 20.0)
        P(K) estimated by FV2: 3.741% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 16.7 sec
        P(K) by MC: 1.369%, E(T) = 3.9 (simulation time = 7560.0)
        P(K) estimated by FV1: 1.374% (simulation time = 20.0)
        P(K) estimated by FV2: 4.330% (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: 22.0 sec
        P(K) by MC: 1.339%, E(T) = 4.0 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.711% (simulation time = 20.0)
        P(K) estimated by FV2: 2.419% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 19.8 sec
        P(K) by MC: 1.486%, E(T) = 4.0 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.917% (simulation time = 20.0)
        P(K) estimated by FV2: 2.684% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 18.2 sec
        P(K) by MC: 1.137%, E(T) = 3.8 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.717% (simulation time = 20.0)
        P(K) estimated by FV2: 2.181% (simulation time = 20.0)
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        True P(K): 1.587%
        Replication 4 of 10... execution time: 18.0 sec
        P(K) by MC: 1.604%, E(T) = 3.9 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.852% (simulation time = 20.0)
        P(K) estimated by FV2: 3.126% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 18.0 sec
        P(K) by MC: 1.440%, E(T) = 3.9 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.740% (simulation time = 20.0)
        P(K) estimated by FV2: 2.616% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 18.1 sec
        P(K) by MC: 1.688%, E(T) = 4.0 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.875% (simulation time = 20.0)
        P(K) estimated by FV2: 3.048% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 18.6 sec
        P(K) by MC: 1.402%, E(T) = 3.9 (simulation time = 11340.0)
        P(K) estimated by FV1: 1.020% (simulation time = 20.0)
        P(K) estimated by FV2: 3.153% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 21.8 sec
        P(K) by MC: 1.442%, E(T) = 3.9 (simulation time = 11340.0)
        P(K) estimated by FV1: 1.088% (simulation time = 20.0)
        P(K) estimated by FV2: 3.515% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 18.5 sec
        P(K) by MC: 1.608%, E(T) = 4.0 (simulation time = 11340.0)
        P(K) estimated by FV1: 0.922% (simulation time = 20.0)
        P(K) estimated by FV2: 3.337% (simulation time = 20.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 19.5 sec
        P(K) by MC: 1.378%, E(T) = 3.9 (simulation time = 11340.0)
        P(K) estimated by FV1: 1.196% (simulation time = 20.0)
        P(K) estimated by FV2: 4.047% (simulation time = 20.0)
        True P(K): 1.587%
Total execution time: 9.6 min
Simulation results for c=1, K=5, rhos=[0.5], (50<=N<=600), T<=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  0.010401      20.0
1    50           2  0.017621    1000.0  3.769863  0.002331      20.0
1    50           3  0.011660    1000.0  3.660527  0.013198      20.0
1    50           4  0.019223    1000.0  3.919891  0.008836      20.0
1    50           5  0.015481    1000.0  4.190772  0.014383      20.0
1    50           6  0.021070    1000.0  3.961553  0.002496      20.0
1    50           7  0.012020    1000.0  3.739551  0.007722      20.0
1    50           8  0.024682    1000.0  4.129201  0.007547      20.0
1    50           9  0.019832    1000.0  3.983336  0.006664      20.0
1    50          10  0.022943    1000.0  4.046470  0.015798      20.0
2    75           1  0.012320    1500.0  4.093068  0.004077      20.0
2    75           2  0.018975    1500.0  3.813710  0.009112      20.0
2    75           3  0.008067    1500.0  3.621072  0.015323      20.0
2    75           4  0.016766    1500.0  3.987768  0.007431      20.0
2    75           5  0.015677    1500.0  4.235718  0.010481      20.0
2    75           6  0.017389    1500.0  3.798729  0.007003      20.0
2    75           7  0.009383    1500.0  3.790299  0.021959      20.0
2    75           8  0.018804    1500.0  4.208646  0.010110      20.0
2    75           9  0.019379    1500.0  3.924832  0.006466      20.0
2    75          10  0.017148    1500.0  3.809408  0.011227      20.0
3   112           1  0.012614    2240.0  4.177593  0.005178      20.0
3   112           2  0.017897    2240.0  3.814497  0.010929      20.0
3   112           3  0.007614    2240.0  3.658885  0.009787      20.0
3   112           4  0.015421    2240.0  3.894965  0.009078      20.0
3   112           5  0.019094    2240.0  4.109107  0.013704      20.0
3   112           6  0.014877    2240.0  3.851202  0.016070      20.0
3   112           7  0.007303    2240.0  3.821448  0.007065      20.0
3   112           8  0.014788    2240.0  4.007005  0.009081      20.0
3   112           9  0.017044    2240.0  4.053191  0.007665      20.0
3   112          10  0.017420    2240.0  3.877872  0.009583      20.0
..  ...         ...       ...       ...       ...       ...       ...
5   252           1  0.011200    5040.0  3.952503  0.008209      20.0
5   252           2  0.013608    5040.0  3.879711  0.008864      20.0
```

```
5     252          3   0.009850     5040.0   3.762114  0.009180      20.0
5     252          4   0.014712     5040.0   3.806382  0.007255      20.0
5     252          5   0.015976     5040.0   3.936310  0.009378      20.0
5     252          6   0.016352     5040.0   3.956794  0.006065      20.0
5     252          7   0.011853     5040.0   3.840166  0.006017      20.0
5     252          8   0.014908     5040.0   3.951534  0.007541      20.0
5     252          9   0.017544     5040.0   3.974609  0.006550      20.0
5     252         10   0.014149     5040.0   3.809634  0.011788      20.0
6     378          1   0.013858     7560.0   4.005252  0.006685      20.0
6     378          2   0.014317     7560.0   3.892863  0.011198      20.0
6     378          3   0.010232     7560.0   3.784968  0.006749      20.0
6     378          4   0.014491     7560.0   3.893692  0.008409      20.0
6     378          5   0.014161     7560.0   3.876818  0.007290      20.0
6     378          6   0.017602     7560.0   3.912086  0.007910      20.0
6     378          7   0.011436     7560.0   3.835536  0.008868      20.0
6     378          8   0.012488     7560.0   3.916884  0.010008      20.0
6     378          9   0.015663     7560.0   3.951361  0.009696      20.0
6     378         10   0.013694     7560.0   3.878378  0.013740      20.0
7     567          1   0.013393    11340.0   3.989736  0.007107      20.0
7     567          2   0.014864    11340.0   3.957284  0.009169      20.0
7     567          3   0.011366    11340.0   3.795776  0.007166      20.0
7     567          4   0.016039    11340.0   3.905205  0.008521      20.0
7     567          5   0.014399    11340.0   3.868555  0.007397      20.0
7     567          6   0.016878    11340.0   3.986672  0.008745      20.0
7     567          7   0.014019    11340.0   3.940741  0.010196      20.0
7     567          8   0.014422    11340.0   3.936923  0.010882      20.0
7     567          9   0.016083    11340.0   3.984511  0.009219      20.0
7     567         10   0.013784    11340.0   3.878656  0.011963      20.0

       Pr(K)  exec_time(s)
1    0.015873      3.406436
1    0.015873      1.403521
1    0.015873      1.531742
1    0.015873      1.350661
1    0.015873      1.925792
1    0.015873      1.560017
1    0.015873      1.442059
1    0.015873      1.336967
1    0.015873      1.338724
1    0.015873      1.376079
2    0.015873      2.224905
2    0.015873      2.205065
2    0.015873      2.038568
2    0.015873      2.024581
2    0.015873      2.152131
2    0.015873      2.201479
2    0.015873      2.122464
2    0.015873      2.213754
2    0.015873      2.785808
2    0.015873      2.321164
3    0.015873      3.363914
3    0.015873      3.375198
3    0.015873      3.858599
3    0.015873      3.178429
3    0.015873      3.342653
3    0.015873      3.302950
3    0.015873      3.356872
3    0.015873      3.526266
3    0.015873      3.914722
3    0.015873      5.929849
..        ...           ...
5    0.015873      9.177115
5    0.015873     17.297371
5    0.015873     11.314301
5    0.015873      8.975899
5    0.015873     13.695040
5    0.015873      9.957253
5    0.015873      9.361583
5    0.015873     10.161612
5    0.015873      9.128102
5    0.015873      7.858996
6    0.015873     11.990133
6    0.015873     14.954115
```

```
6    0.015873       11.882882
6    0.015873       12.702699
6    0.015873       12.716315
6    0.015873       14.184806
6    0.015873       16.445065
6    0.015873       14.328010
6    0.015873       13.835279
6    0.015873       16.678117
7    0.015873       22.047401
7    0.015873       19.832462
7    0.015873       18.167156
7    0.015873       18.036521
7    0.015873       17.966926
7    0.015873       18.117211
7    0.015873       18.631124
7    0.015873       21.826225
7    0.015873       18.491332
7    0.015873       19.516027

[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  0.008938  0.005101  0.004604  0.009517  0.002331
75      10      10  0.015391  0.010319  0.004064  0.005121  0.008067  0.004077
112     10      10  0.014407  0.009814  0.004102  0.003168  0.007303  0.005178
168     10      10  0.014514  0.008981  0.003039  0.002030  0.008521  0.006229
252     10      10  0.014015  0.008085  0.002431  0.001792  0.009850  0.006017
378     10      10  0.013794  0.009055  0.002078  0.002203  0.010232  0.006685
567     10      10  0.014525  0.009036  0.001580  0.001620  0.011366  0.007107


          max               SE
      Pr(MC)    Pr(FV)    Pr(MC)    Pr(FV)
N
50    0.024682  0.015798  0.001613  0.001456
75    0.019379  0.021959  0.001285  0.001619
112   0.019094  0.016070  0.001297  0.001002
168   0.017374  0.012491  0.000961  0.000642
252   0.017544  0.011788  0.000769  0.000567
378   0.017602  0.013740  0.000657  0.000697
567   0.016878  0.011963  0.000500  0.000512
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)
```
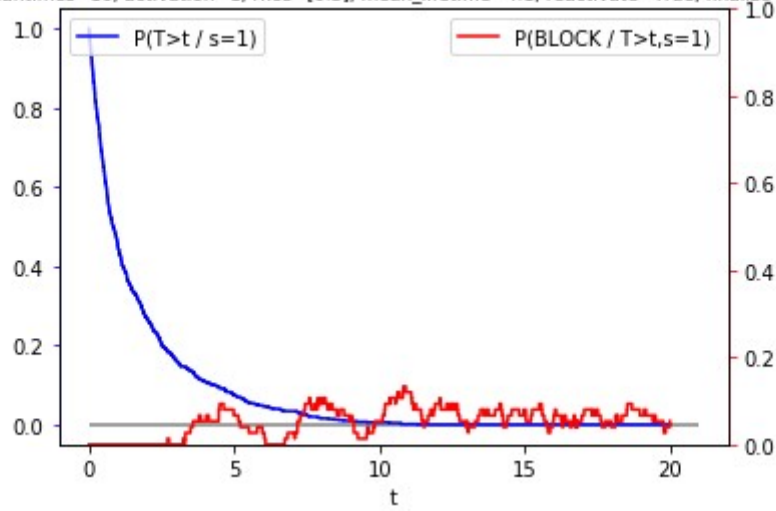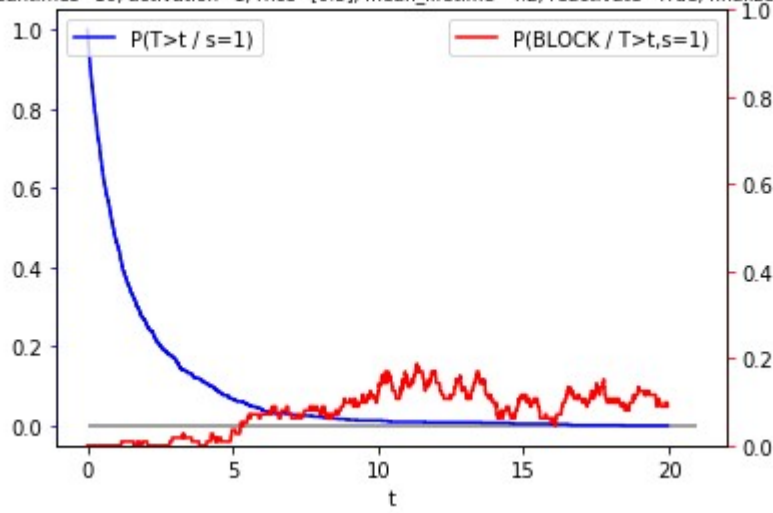

K=5, N=50, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717
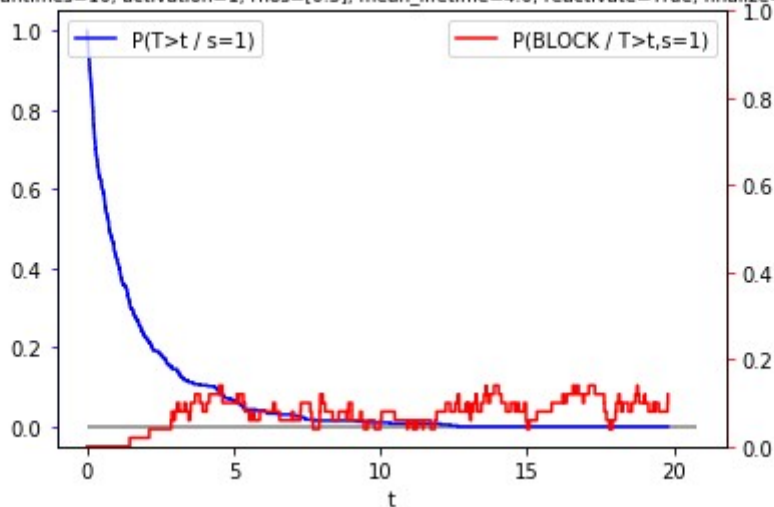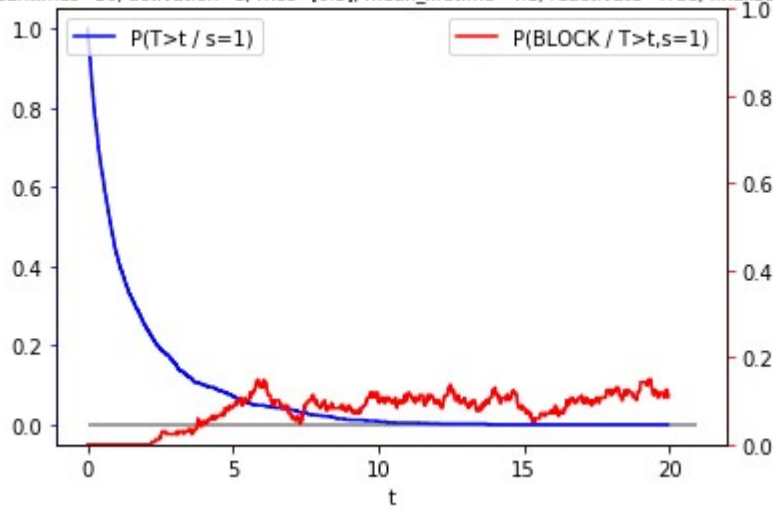
K=5, N=75, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.1, reactivate=True, finalize=ABS, seed=1717
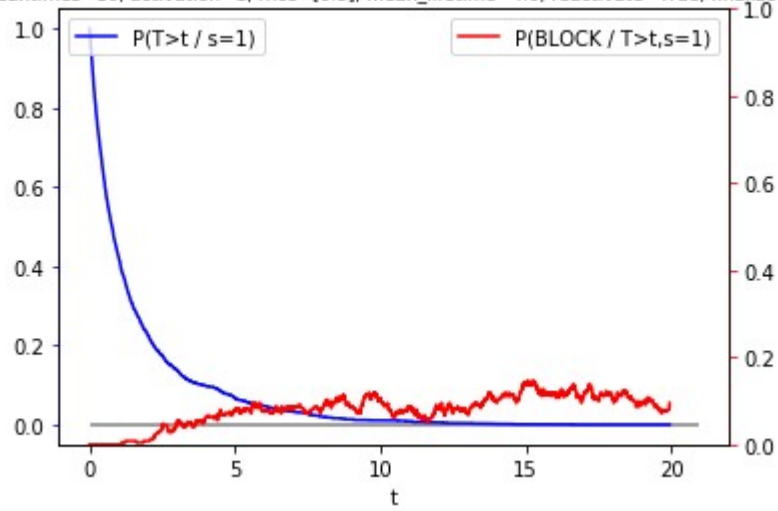

K=5, N=112, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.2, reactivate=True, finalize=ABS, seed=1717
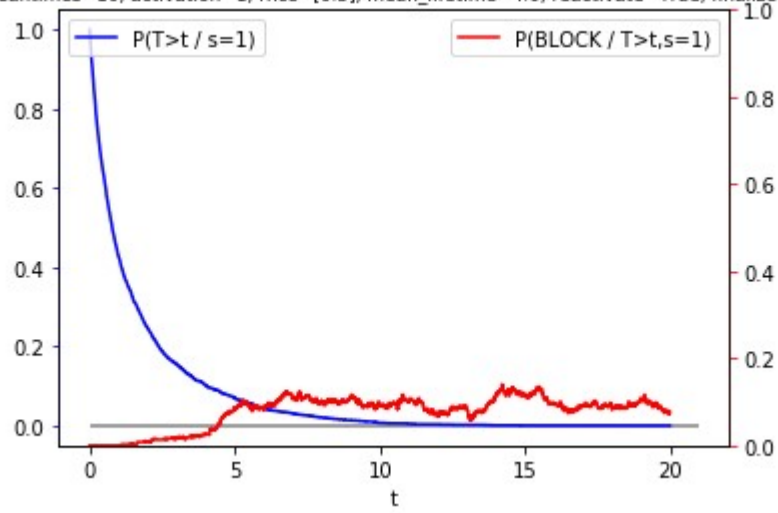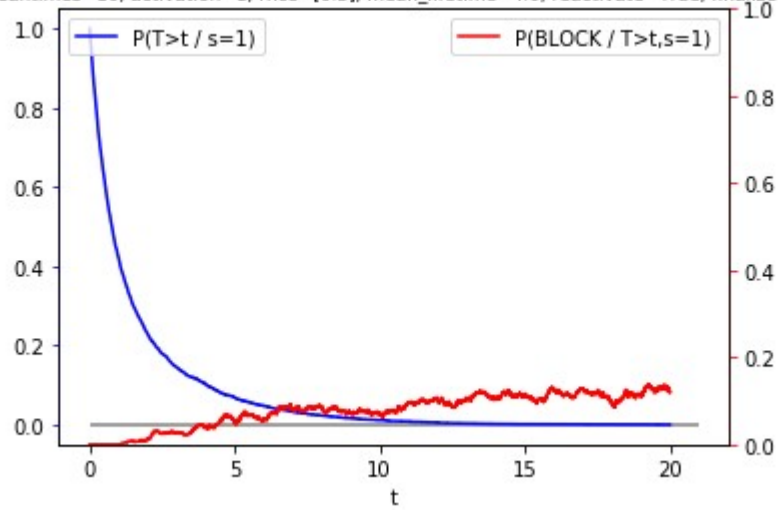

K=5, N=168, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.1, reactivate=True, finalize=ABS, seed=1717

K=5, N=252, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717
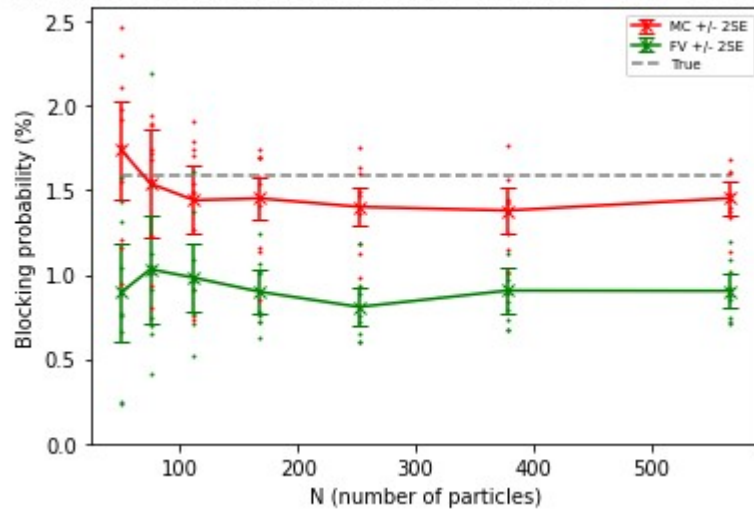

K=5, N=378, nmeantimes=10, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717

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

Simulation results for c=1, K=5, rhos=[0.5], (50<=N<=600), T<=20

In [611]: