```
        P(K) estimated by FV2: 10.735% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 4.6 sec
        P(K) by MC: 1.065%, E(T) = 3.8 (simulation time = 3000.0)
        P(K) estimated by FV1: 1.418% (simulation time = 60.0)
        P(K) estimated by FV2: 9.911% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 4.8 sec
        P(K) by MC: 1.389%, E(T) = 4.0 (simulation time = 3000.0)
        P(K) estimated by FV1: 1.243% (simulation time = 60.0)
        P(K) estimated by FV2: 9.062% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 5.0 sec
        P(K) by MC: 1.778%, E(T) = 4.0 (simulation time = 3000.0)
        P(K) estimated by FV1: 1.124% (simulation time = 60.0)
        P(K) estimated by FV2: 8.952% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 5.5 sec
        P(K) by MC: 1.755%, E(T) = 3.8 (simulation time = 3000.0)
        P(K) estimated by FV1: 1.243% (simulation time = 60.0)
        P(K) estimated by FV2: 13.106% (simulation time = 60.0)
        True P(K): 1.587%
Running simulation for nparticles=75 on 10 replications (2 of 7)...
        Replication 1 of 10... execution time: 8.4 sec
        P(K) by MC: 1.236%, E(T) = 4.0 (simulation time = 4500.0)
        P(K) estimated by FV1: 0.675% (simulation time = 60.0)
        P(K) estimated by FV2: 5.068% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 8.8 sec
        P(K) by MC: 1.434%, E(T) = 3.8 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.374% (simulation time = 60.0)
        P(K) estimated by FV2: 8.113% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 7.7 sec
        P(K) by MC: 0.971%, E(T) = 3.8 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.633% (simulation time = 60.0)
        P(K) estimated by FV2: 10.683% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 6.8 sec
        P(K) by MC: 1.452%, E(T) = 3.8 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.445% (simulation time = 60.0)
        P(K) estimated by FV2: 7.685% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 7.2 sec
        P(K) by MC: 1.694%, E(T) = 4.0 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.740% (simulation time = 60.0)
        P(K) estimated by FV2: 12.042% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 7.5 sec
        P(K) by MC: 1.611%, E(T) = 3.9 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.785% (simulation time = 60.0)
        P(K) estimated by FV2: 9.820% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 7.0 sec
        P(K) by MC: 1.144%, E(T) = 3.8 (simulation time = 4500.0)
        P(K) estimated by FV1: 2.414% (simulation time = 60.0)
        P(K) estimated by FV2: 8.693% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 7.1 sec
        P(K) by MC: 1.554%, E(T) = 4.0 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.463% (simulation time = 60.0)
        P(K) estimated by FV2: 7.082% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 6.8 sec
        P(K) by MC: 1.786%, E(T) = 4.0 (simulation time = 4500.0)
        P(K) estimated by FV1: 0.955% (simulation time = 60.0)
        P(K) estimated by FV2: 5.122% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 6.6 sec
        P(K) by MC: 1.507%, E(T) = 3.8 (simulation time = 4500.0)
        P(K) estimated by FV1: 1.079% (simulation time = 60.0)
        P(K) estimated by FV2: 9.254% (simulation time = 60.0)
        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: 10.2 sec
        P(K) by MC: 1.336%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 0.780% (simulation time = 60.0)
        P(K) estimated by FV2: 6.564% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 10.0 sec
        P(K) by MC: 1.462%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.486% (simulation time = 60.0)
        P(K) estimated by FV2: 13.429% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 10.1 sec
        P(K) by MC: 0.937%, E(T) = 3.8 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.082% (simulation time = 60.0)
        P(K) estimated by FV2: 7.712% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 10.0 sec
        P(K) by MC: 1.476%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.751% (simulation time = 60.0)
        P(K) estimated by FV2: 12.400% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 10.0 sec
        P(K) by MC: 1.510%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.669% (simulation time = 60.0)
        P(K) estimated by FV2: 6.430% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 10.4 sec
        P(K) by MC: 1.706%, E(T) = 4.0 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.670% (simulation time = 60.0)
        P(K) estimated by FV2: 11.659% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 11.1 sec
        P(K) by MC: 1.219%, E(T) = 3.8 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.707% (simulation time = 60.0)
        P(K) estimated by FV2: 8.518% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 10.2 sec
        P(K) by MC: 1.308%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.521% (simulation time = 60.0)
        P(K) estimated by FV2: 8.260% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 10.5 sec
        P(K) by MC: 1.679%, E(T) = 4.0 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.161% (simulation time = 60.0)
        P(K) estimated by FV2: 6.630% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 10.2 sec
        P(K) by MC: 1.378%, E(T) = 3.9 (simulation time = 6720.0)
        P(K) estimated by FV1: 1.434% (simulation time = 60.0)
        P(K) estimated by FV2: 10.181% (simulation time = 60.0)
        True P(K): 1.587%
Running simulation for nparticles=168 on 10 replications (4 of 7)...
        Replication 1 of 10... execution time: 15.8 sec
        P(K) by MC: 1.340%, E(T) = 4.0 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.257% (simulation time = 60.0)
        P(K) estimated by FV2: 7.142% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 15.1 sec
        P(K) by MC: 1.405%, E(T) = 3.9 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.294% (simulation time = 60.0)
        P(K) estimated by FV2: 8.239% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 15.4 sec
        P(K) by MC: 1.146%, E(T) = 3.8 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.158% (simulation time = 60.0)
        P(K) estimated by FV2: 6.967% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 15.5 sec
        P(K) by MC: 1.659%, E(T) = 3.9 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.282% (simulation time = 60.0)
        P(K) estimated by FV2: 8.479% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 16.0 sec
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        P(K) by MC: 1.297%, E(T) = 3.8 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.198% (simulation time = 60.0)
        P(K) estimated by FV2: 8.105% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 19.5 sec
        P(K) by MC: 1.700%, E(T) = 4.0 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.837% (simulation time = 60.0)
        P(K) estimated by FV2: 11.328% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 15.5 sec
        P(K) by MC: 1.308%, E(T) = 3.9 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.425% (simulation time = 60.0)
        P(K) estimated by FV2: 8.870% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 15.6 sec
        P(K) by MC: 1.383%, E(T) = 3.9 (simulation time = 10080.0)
        P(K) estimated by FV1: 2.342% (simulation time = 60.0)
        P(K) estimated by FV2: 12.923% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 15.6 sec
        P(K) by MC: 1.443%, E(T) = 3.9 (simulation time = 10080.0)
        P(K) estimated by FV1: 1.922% (simulation time = 60.0)
        P(K) estimated by FV2: 10.020% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 16.1 sec
        P(K) by MC: 1.445%, E(T) = 3.8 (simulation time = 10080.0)
        P(K) estimated by FV1: 2.048% (simulation time = 60.0)
        P(K) estimated by FV2: 10.244% (simulation time = 60.0)
        True P(K): 1.587%
Running simulation for nparticles=252 on 10 replications (5 of 7)...
        Replication 1 of 10... execution time: 24.0 sec
        P(K) by MC: 1.313%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.434% (simulation time = 60.0)
        P(K) estimated by FV2: 5.967% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 24.9 sec
        P(K) by MC: 1.436%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.261% (simulation time = 60.0)
        P(K) estimated by FV2: 8.686% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 24.2 sec
        P(K) by MC: 1.264%, E(T) = 3.8 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.194% (simulation time = 60.0)
        P(K) estimated by FV2: 6.781% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 24.4 sec
        P(K) by MC: 1.669%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.390% (simulation time = 60.0)
        P(K) estimated by FV2: 6.792% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 24.3 sec
        P(K) by MC: 1.441%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.292% (simulation time = 60.0)
        P(K) estimated by FV2: 7.817% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 24.2 sec
        P(K) by MC: 1.687%, E(T) = 4.0 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.300% (simulation time = 60.0)
        P(K) estimated by FV2: 10.233% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 24.5 sec
        P(K) by MC: 1.437%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.268% (simulation time = 60.0)
        P(K) estimated by FV2: 8.803% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 28.2 sec
        P(K) by MC: 1.431%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.089% (simulation time = 60.0)
        P(K) estimated by FV2: 7.861% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 24.6 sec
        P(K) by MC: 1.567%, E(T) = 4.0 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.403% (simulation time = 60.0)
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        P(K) estimated by FV2: 8.597% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 24.2 sec
        P(K) by MC: 1.451%, E(T) = 3.9 (simulation time = 15120.0)
        P(K) estimated by FV1: 1.380% (simulation time = 60.0)
        P(K) estimated by FV2: 9.687% (simulation time = 60.0)
        True P(K): 1.587%
Running simulation for nparticles=378 on 10 replications (6 of 7)...
        Replication 1 of 10... execution time: 39.1 sec
        P(K) by MC: 1.393%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.250% (simulation time = 60.0)
        P(K) estimated by FV2: 7.088% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 35.8 sec
        P(K) by MC: 1.497%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.294% (simulation time = 60.0)
        P(K) estimated by FV2: 8.362% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 35.7 sec
        P(K) by MC: 1.281%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.284% (simulation time = 60.0)
        P(K) estimated by FV2: 7.965% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 4 of 10... execution time: 35.6 sec
        P(K) by MC: 1.704%, E(T) = 3.8 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.394% (simulation time = 60.0)
        P(K) estimated by FV2: 10.146% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 38.1 sec
        P(K) by MC: 1.533%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.191% (simulation time = 60.0)
        P(K) estimated by FV2: 7.863% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 35.2 sec
        P(K) by MC: 1.785%, E(T) = 4.0 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.419% (simulation time = 60.0)
        P(K) estimated by FV2: 9.442% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 35.7 sec
        P(K) by MC: 1.483%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.170% (simulation time = 60.0)
        P(K) estimated by FV2: 7.502% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 35.5 sec
        P(K) by MC: 1.406%, E(T) = 3.9 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.180% (simulation time = 60.0)
        P(K) estimated by FV2: 7.875% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 35.8 sec
        P(K) by MC: 1.660%, E(T) = 4.0 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.352% (simulation time = 60.0)
        P(K) estimated by FV2: 9.515% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 35.8 sec
        P(K) by MC: 1.506%, E(T) = 4.0 (simulation time = 22680.0)
        P(K) estimated by FV1: 1.437% (simulation time = 60.0)
        P(K) estimated by FV2: 7.958% (simulation time = 60.0)
        True P(K): 1.587%
Running simulation for nparticles=567 on 10 replications (7 of 7)...
        Replication 1 of 10... execution time: 59.3 sec
        P(K) by MC: 1.399%, E(T) = 3.9 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.438% (simulation time = 60.0)
        P(K) estimated by FV2: 10.156% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 2 of 10... execution time: 58.0 sec
        P(K) by MC: 1.607%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.266% (simulation time = 60.0)
        P(K) estimated by FV2: 8.550% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 3 of 10... execution time: 58.9 sec
        P(K) by MC: 1.416%, E(T) = 3.9 (simulation time = 34020.0)
        P(K) estimated by FV1: 0.988% (simulation time = 60.0)
        P(K) estimated by FV2: 8.193% (simulation time = 60.0)
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        True P(K): 1.587%
        Replication 4 of 10... execution time: 58.8 sec
        P(K) by MC: 1.570%, E(T) = 3.9 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.190% (simulation time = 60.0)
        P(K) estimated by FV2: 9.490% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 5 of 10... execution time: 58.8 sec
        P(K) by MC: 1.513%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.314% (simulation time = 60.0)
        P(K) estimated by FV2: 7.462% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 6 of 10... execution time: 58.2 sec
        P(K) by MC: 1.757%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.610% (simulation time = 60.0)
        P(K) estimated by FV2: 10.024% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 7 of 10... execution time: 58.8 sec
        P(K) by MC: 1.470%, E(T) = 3.9 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.590% (simulation time = 60.0)
        P(K) estimated by FV2: 9.447% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 8 of 10... execution time: 57.9 sec
        P(K) by MC: 1.569%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.242% (simulation time = 60.0)
        P(K) estimated by FV2: 8.914% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 9 of 10... execution time: 57.9 sec
        P(K) by MC: 1.597%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.147% (simulation time = 60.0)
        P(K) estimated by FV2: 8.848% (simulation time = 60.0)
        True P(K): 1.587%
        Replication 10 of 10... execution time: 59.8 sec
        P(K) by MC: 1.596%, E(T) = 4.0 (simulation time = 34020.0)
        P(K) estimated by FV1: 1.577% (simulation time = 60.0)
        P(K) estimated by FV2: 8.281% (simulation time = 60.0)
        True P(K): 1.587%
Total execution time: 26.3 min
Simulation results for c=1, K=5, rhos=[0.5], (50<=N<=600), T<=60
Raw results by N:
      N replication    Pr(MC)  Time(MC)      E(T)    Pr(FV)  Time(FV)  \
1    50           1  0.011207    3000.0  4.120879  0.012645      60.0
1    50           2  0.015780    3000.0  3.773585  0.007087      60.0
1    50           3  0.009346    3000.0  3.710318  0.020932      60.0
1    50           4  0.013506    3000.0  3.750000  0.015927      60.0
1    50           5  0.016546    3000.0  4.126245  0.015597      60.0
1    50           6  0.016846    3000.0  3.865979  0.009605      60.0
1    50           7  0.010652    3000.0  3.807107  0.014182      60.0
1    50           8  0.013888    3000.0  3.978780  0.012430      60.0
1    50           9  0.017780    3000.0  4.030907  0.011242      60.0
1    50          10  0.017549    3000.0  3.836317  0.012427      60.0
2    75           1  0.012358    4500.0  3.963080  0.006748      60.0
2    75           2  0.014336    4500.0  3.826213  0.013737      60.0
2    75           3  0.009706    4500.0  3.778338  0.016326      60.0
2    75           4  0.014520    4500.0  3.772658  0.014450      60.0
2    75           5  0.016935    4500.0  3.975265  0.017397      60.0
2    75           6  0.016109    4500.0  3.900881  0.017854      60.0
2    75           7  0.011440    4500.0  3.794266  0.024141      60.0
2    75           8  0.015537    4500.0  3.982301  0.014632      60.0
2    75           9  0.017862    4500.0  3.963502  0.009546      60.0
2    75          10  0.015069    4500.0  3.842844  0.010786      60.0
3   112           1  0.013360    6720.0  3.942869  0.007800      60.0
3   112           2  0.014619    6720.0  3.855702  0.014858      60.0
3   112           3  0.009368    6720.0  3.785046  0.010824      60.0
3   112           4  0.014764    6720.0  3.882923  0.017510      60.0
3   112           5  0.015098    6720.0  3.904707  0.016694      60.0
3   112           6  0.017058    6720.0  3.950617  0.016700      60.0
3   112           7  0.012185    6720.0  3.832336  0.017068      60.0
3   112           8  0.013083    6720.0  3.925234  0.015213      60.0
3   112           9  0.016790    6720.0  3.956799  0.011611      60.0
3   112          10  0.013776    6720.0  3.850352  0.014340      60.0
..  ...         ...       ...       ...       ...       ...       ...
5   252           1  0.013127   15120.0  3.934081  0.014339      60.0
5   252           2  0.014359   15120.0  3.910375  0.012614      60.0
```
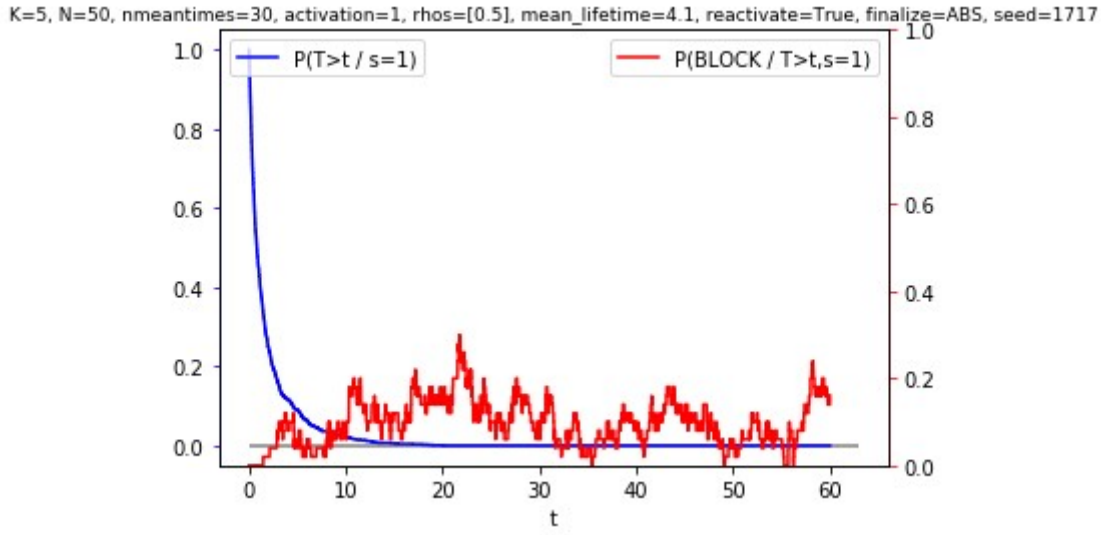
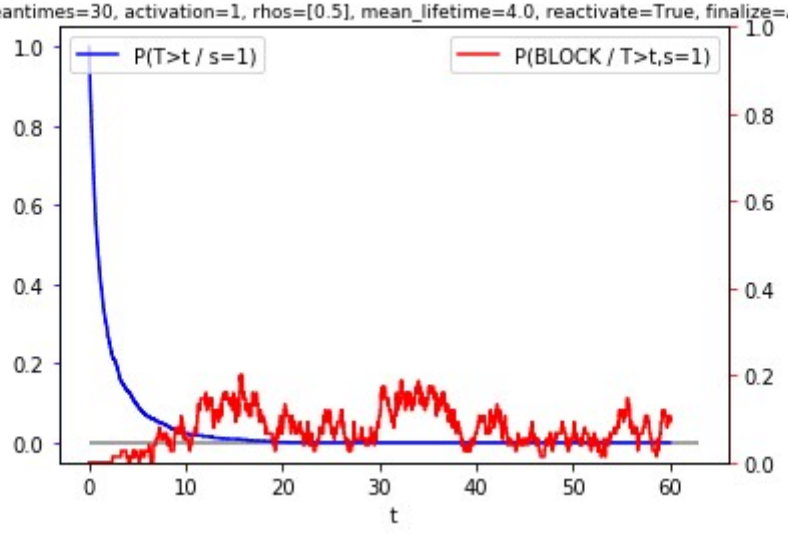

5	252	3	0.012645	15120.0	3.840392	0.011936	60.0
5	252	4	0.016686	15120.0	3.883269	0.013903	60.0
5	252	5	0.014406	15120.0	3.893602	0.012918	60.0
5	252	6	0.016867	15120.0	3.976523	0.012997	60.0
5	252	7	0.014365	15120.0	3.882897	0.012684	60.0
5	252	8	0.014312	15120.0	3.945629	0.010887	60.0
5	252	9	0.015672	15120.0	3.999106	0.014032	60.0
5	252	10	0.014511	15120.0	3.924215	0.013795	60.0
6	378	1	0.013932	22680.0	3.914805	0.012502	60.0
6	378	2	0.014968	22680.0	3.929314	0.012936	60.0
6	378	3	0.012811	22680.0	3.869647	0.012840	60.0
6	378	4	0.017038	22680.0	3.849287	0.013945	60.0
6	378	5	0.015331	22680.0	3.921162	0.011910	60.0
6	378	6	0.017845	22680.0	3.972675	0.014190	60.0
6	378	7	0.014833	22680.0	3.904927	0.011700	60.0
6	378	8	0.014060	22680.0	3.937117	0.011800	60.0
6	378	9	0.016600	22680.0	3.953397	0.013518	60.0
6	378	10	0.015058	22680.0	3.969198	0.014374	60.0
7	567	1	0.013991	34020.0	3.905855	0.014379	60.0
7	567	2	0.016068	34020.0	3.975708	0.012657	60.0
7	567	3	0.014158	34020.0	3.907201	0.009884	60.0
7	567	4	0.015705	34020.0	3.861736	0.011895	60.0
7	567	5	0.015125	34020.0	3.968735	0.013137	60.0
7	567	6	0.017566	34020.0	3.962156	0.016100	60.0
7	567	7	0.014699	34020.0	3.892894	0.015895	60.0
7	567	8	0.015687	34020.0	3.974299	0.012416	60.0
7	567	9	0.015975	34020.0	3.953056	0.011468	60.0
7	567	10	0.015960	34020.0	3.953130	0.015772	60.0

	Pr(K)	exec_time(s)
1	0.015873	4.107369
1	0.015873	5.847250
1	0.015873	3.939480
1	0.015873	3.801719
1	0.015873	3.970213
1	0.015873	4.289760
1	0.015873	4.631887
1	0.015873	4.788486
1	0.015873	4.972079
1	0.015873	5.454322
2	0.015873	8.395237
2	0.015873	8.791584
2	0.015873	7.731077
2	0.015873	6.766460
2	0.015873	7.246632
2	0.015873	7.461896
2	0.015873	7.019166
2	0.015873	7.147553
2	0.015873	6.844154
2	0.015873	6.645629
3	0.015873	10.201254
3	0.015873	10.029331
3	0.015873	10.139524
3	0.015873	9.995961
3	0.015873	9.986342
3	0.015873	10.410965
3	0.015873	11.125293
3	0.015873	10.249023
3	0.015873	10.453531
3	0.015873	10.191868
..	...	...
5	0.015873	23.967090
5	0.015873	24.945367
5	0.015873	24.238432
5	0.015873	24.366525
5	0.015873	24.307973
5	0.015873	24.173603
5	0.015873	24.464266
5	0.015873	28.216626
5	0.015873	24.644318
5	0.015873	24.161450
6	0.015873	39.110061
6	0.015873	35.750276

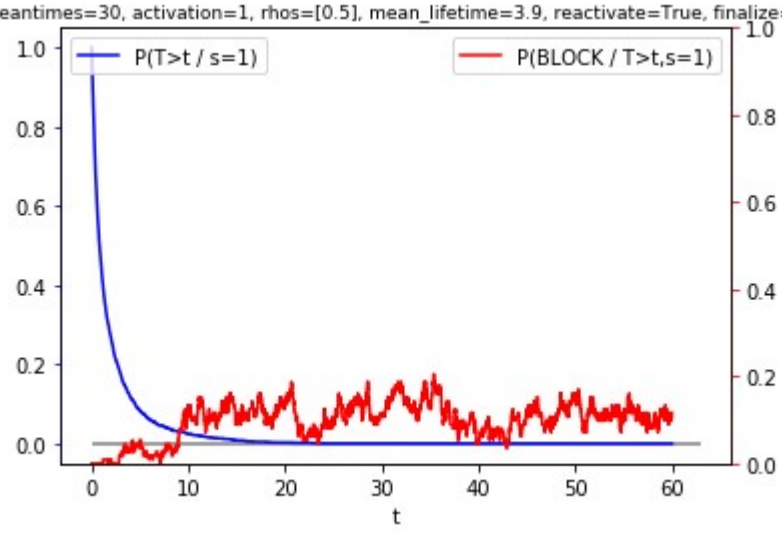
```
6   0.015873     35.730498
6   0.015873     35.588417
6   0.015873     38.119551
6   0.015873     35.216650
6   0.015873     35.684341
6   0.015873     35.507010
6   0.015873     35.764144
6   0.015873     35.844710
7   0.015873     59.278453
7   0.015873     58.020798
7   0.015873     58.904554
7   0.015873     58.802470
7   0.015873     58.818785
7   0.015873     58.187670
7   0.015873     58.805595
7   0.015873     57.872662
7   0.015873     57.890389
7   0.015873     59.770933

[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  0.014310  0.013207  0.003066  0.003794  0.009346  0.007087
75      10     10  0.014387  0.014562  0.002540  0.004887  0.009706  0.006748
112     10     10  0.014010  0.014262  0.002245  0.003200  0.009368  0.007800
168     10     10  0.014127  0.015763  0.001657  0.004224  0.011458  0.011577
252     10     10  0.014695  0.013011  0.001365  0.001063  0.012645  0.010887
378     10     10  0.015248  0.012971  0.001533  0.001003  0.012811  0.011700
567     10     10  0.015493  0.013360  0.001052  0.002109  0.013991  0.009884

          max                   SE
       Pr(MC)    Pr(FV)    Pr(MC)    Pr(FV)
N
50   0.017780  0.020932  0.000969  0.001200
75   0.017862  0.024141  0.000803  0.001545
112  0.017058  0.017510  0.000710  0.001012
168  0.017005  0.023418  0.000524  0.001336
252  0.016867  0.014339  0.000432  0.000336
378  0.017845  0.014374  0.000485  0.000317
567  0.017566  0.016100  0.000333  0.000667
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)
```



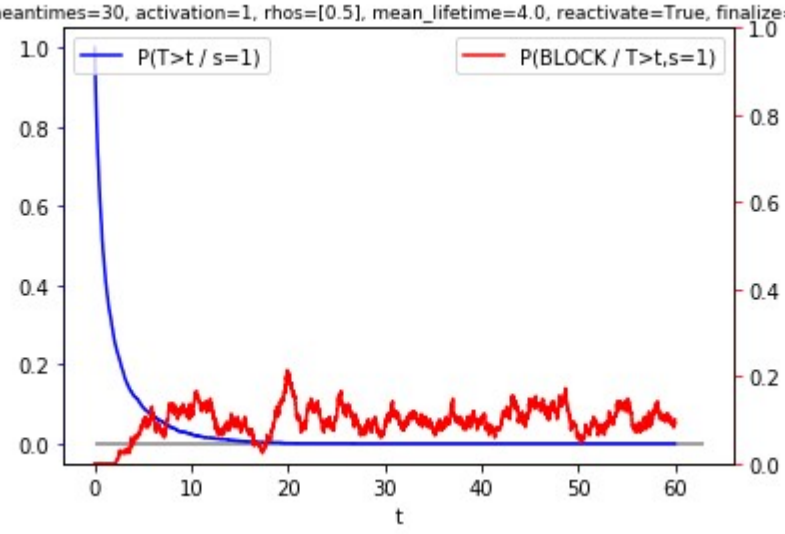
K=5, N=75, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



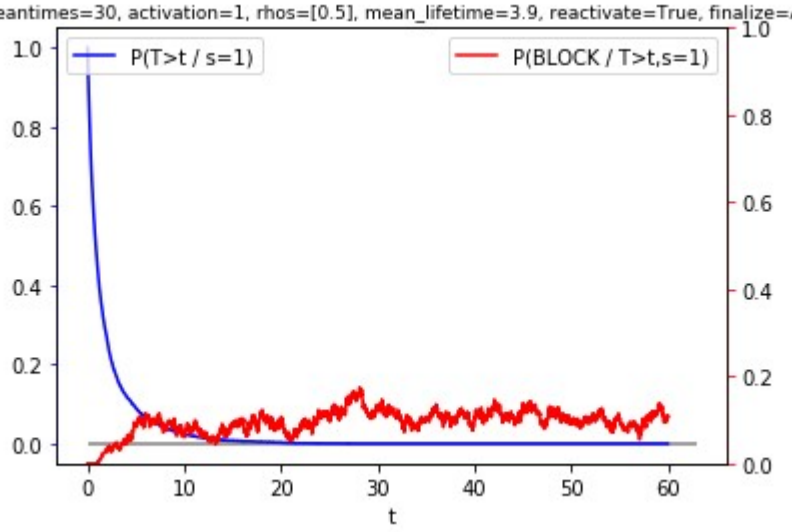
K=5, N=112, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717



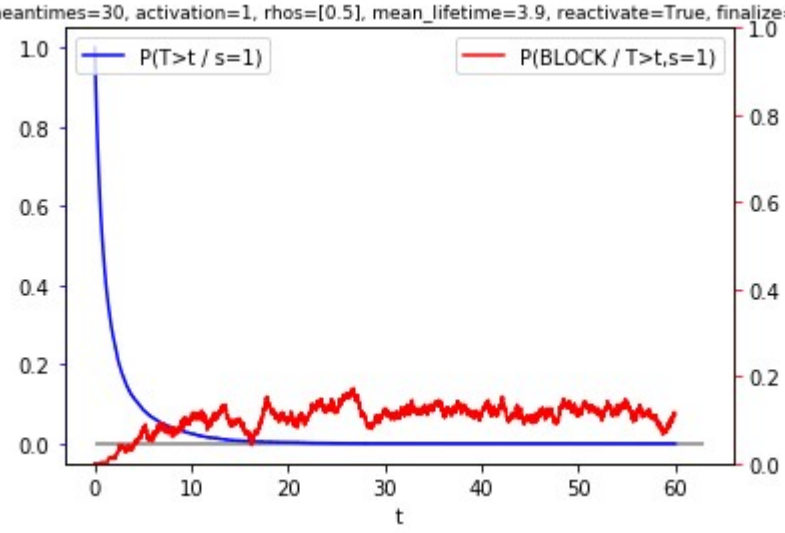
K=5, N=168, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=4.0, reactivate=True, finalize=ABS, seed=1717



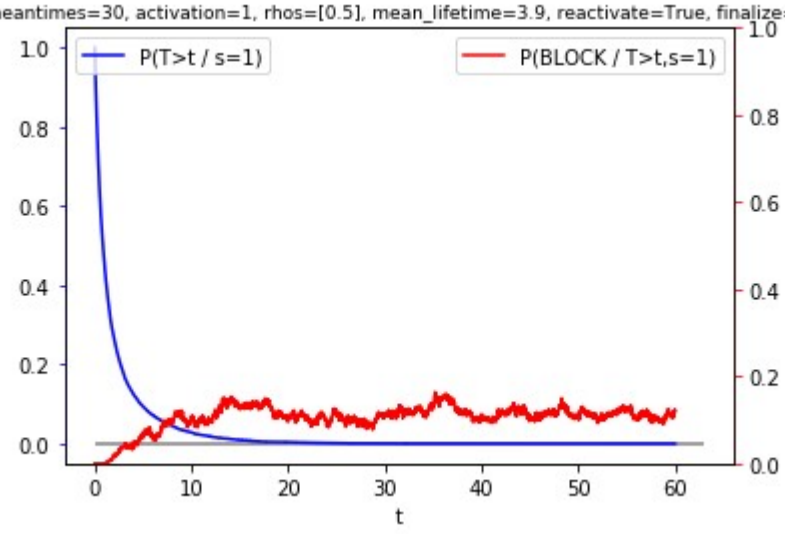
K=5, N=252, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717

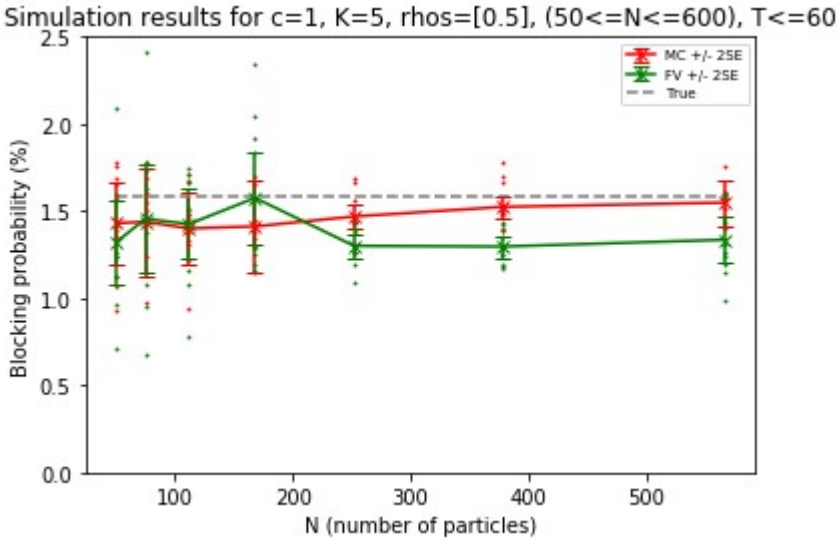


K=5, N=378, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717



K=5, N=567, nmeantimes=30, activation=1, rhos=[0.5], mean_lifetime=3.9, reactivate=True, finalize=ABS, seed=1717




Simulation results for c=1, K=5, rhos=[0.5], (50<=N<=600), T<=60
MC +/- 2SE
FV +/- 2SE
True
Blocking probability (%)
N (number of particles)
0.0
0.5
1.0
1.5
2.0
2.5
100
200
300
400
500

In [603]: