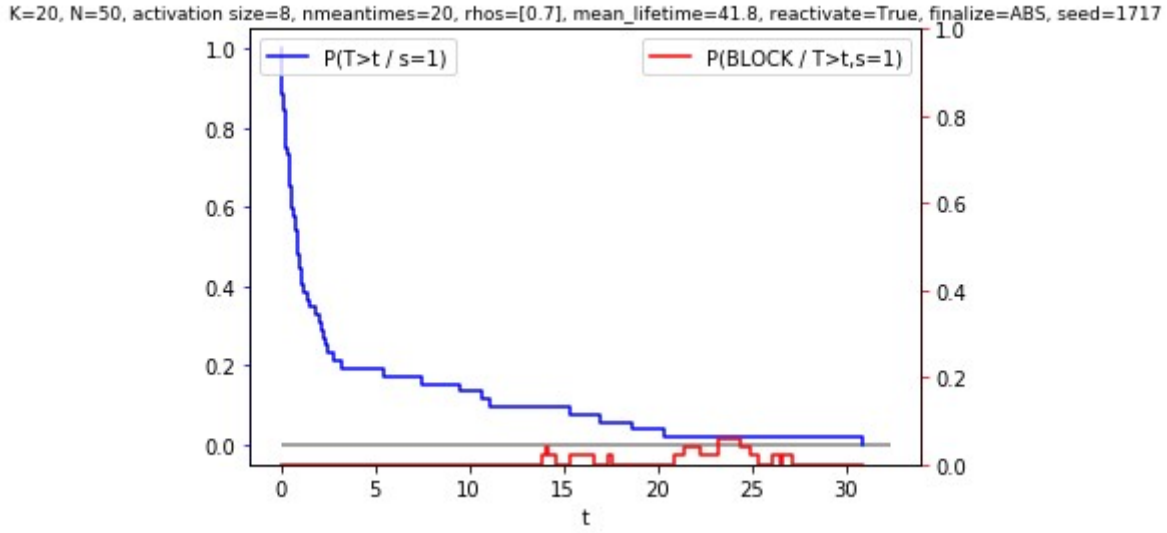
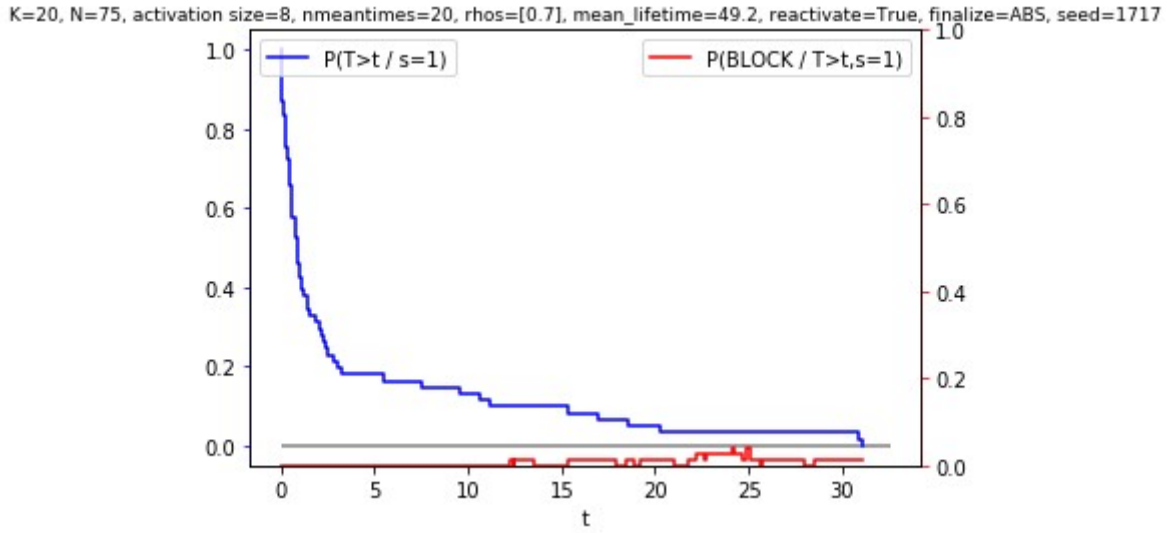
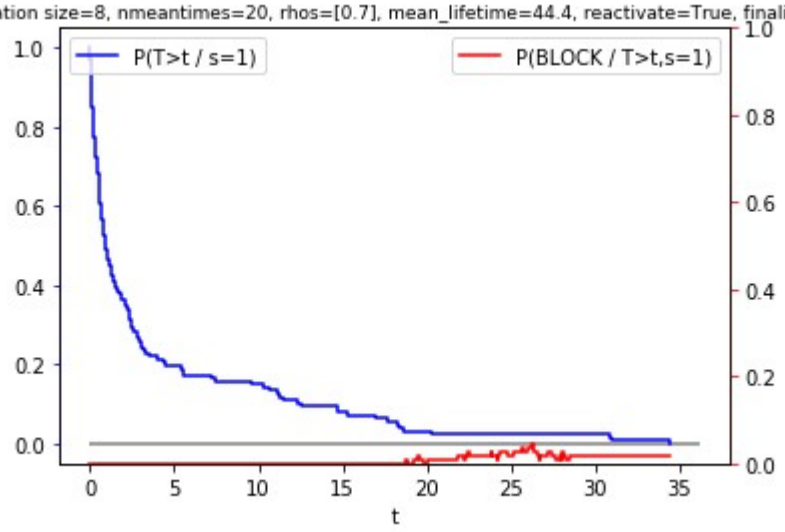
```
Python 3.6.4 |Anaconda custom (64-bit)| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 6.2.1 -- An enhanced Interactive Python.

Restarting kernel...
```

```
In [1]: runfile('E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test/test_QB.py', wdir='E:/Daniel/
Projects/PhD-RL-Toulouse/projects/Python/test')
Directory:
E:\Daniel\Projects\PhD-RL-Toulouse\projects
has been prepended to the module search path.
Log file '../../RL-002-QueueBlocking/logs/test_fv_implementation_20210419_221714.log' has been open for
output.
Started at: 2021-04-19 22:17:14
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)
Ended at: 2021-04-19 22:44:36
Execution time: 27.4 min, 0.5 hours
```

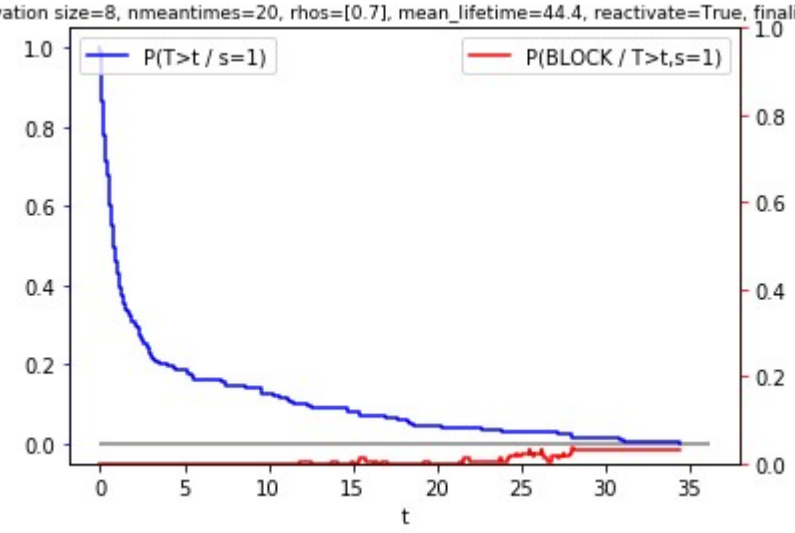




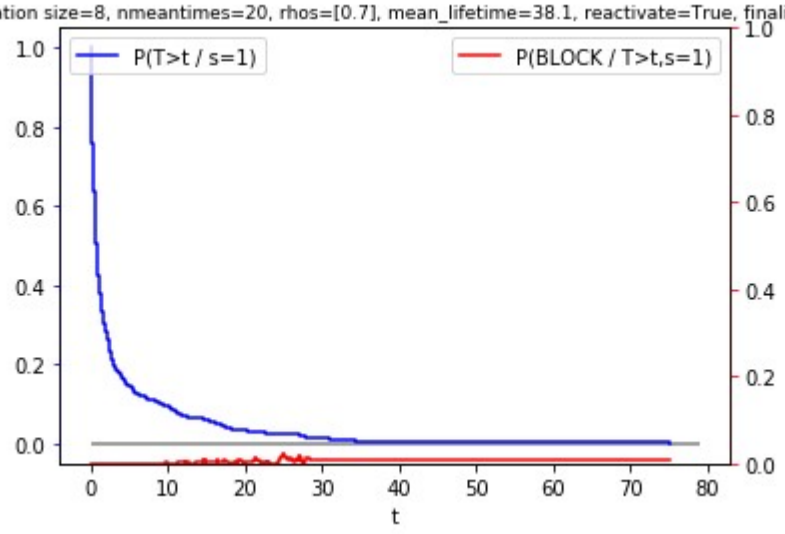
K=20, N=112, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=44.4, reactivate=True, finalize=ABS, seed=1717

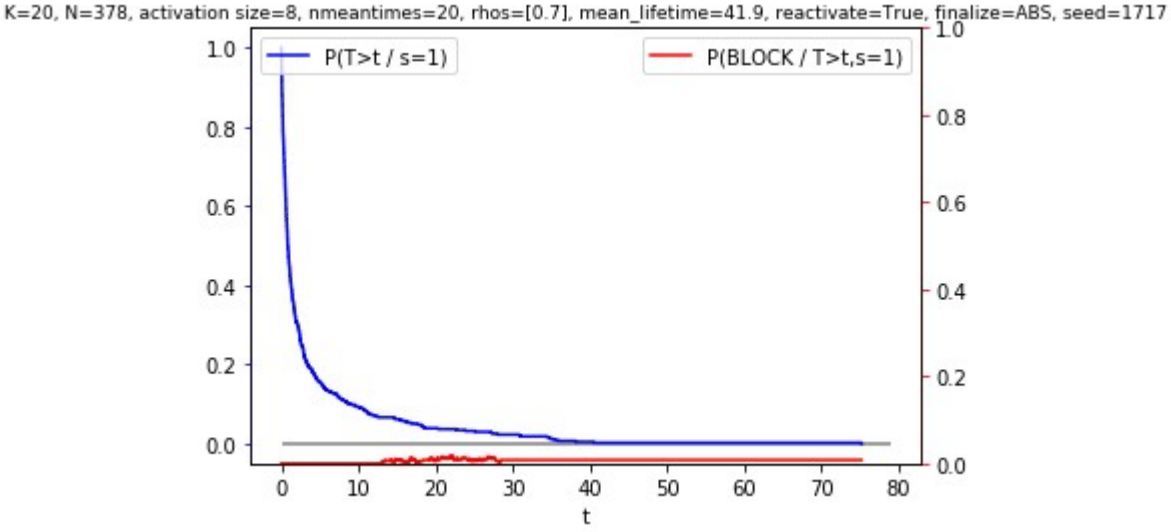


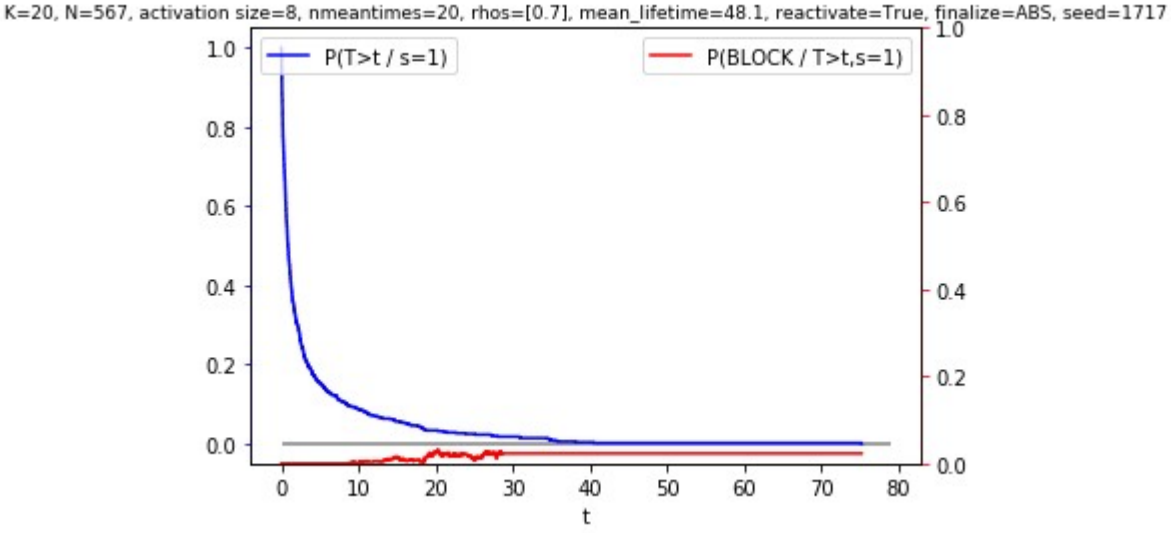
K=20, N=168, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=44.4, reactivate=True, finalize=ABS, seed=1717

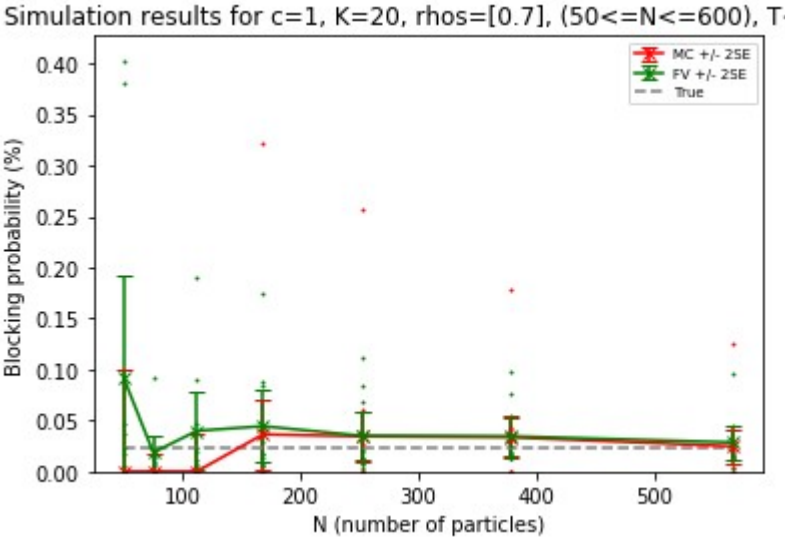


K=20, N=252, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=38.1, reactivate=True, finalize=ABS, seed=1717

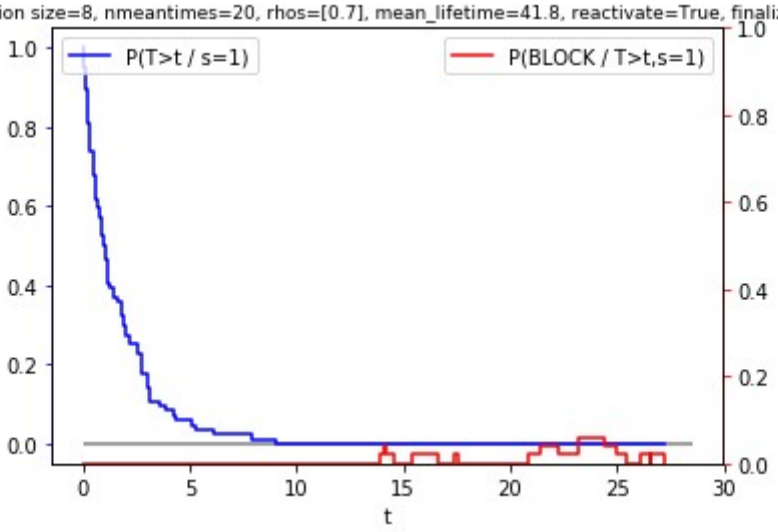



K=20, N=378, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=41.9, reactivate=True, finalize=ABS, seed=1717
P(T>t / s=1)
P(BLOCK / T>t,s=1)
t

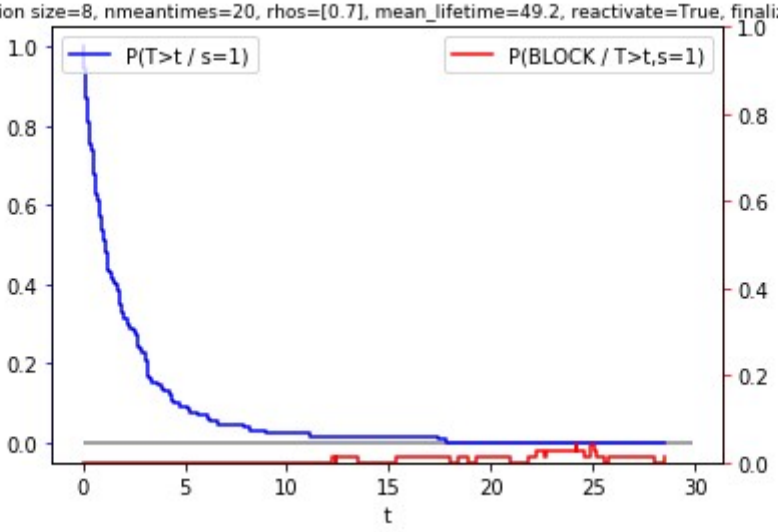

K=20, N=567, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=48.1, reactivate=True, finalize=ABS, seed=1717
P(T>t / s=1)
P(BLOCK / T>t,s=1)
t


Simulation results for c=1, K=20, rhos=[0.7], (50<=N<=600), T<=29
MC +/- 2SE
FV +/- 2SE
True
Blocking probability (%)
N (number of particles)

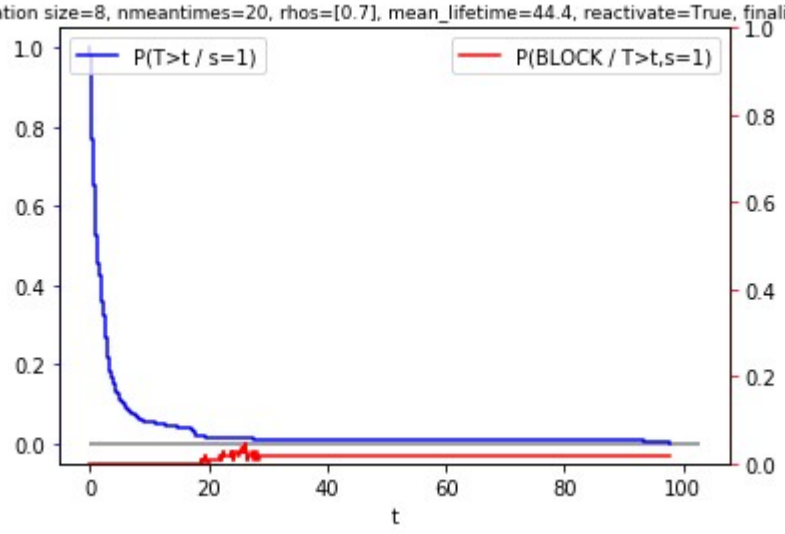
K=20, N=50, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=41.8, reactivate=True, finalize=ABS, seed=1717



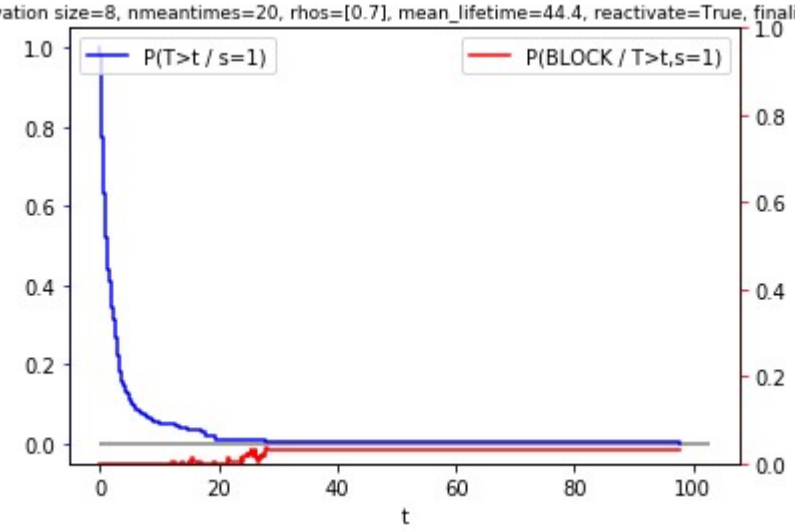
K=20, N=75, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=49.2, reactivate=True, finalize=ABS, seed=1717



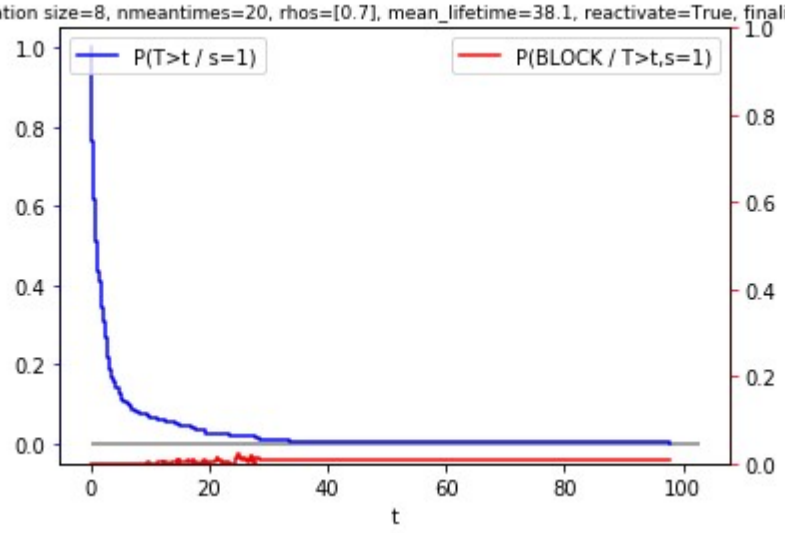
K=20, N=112, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=44.4, reactivate=True, finalize=ABS, seed=1717



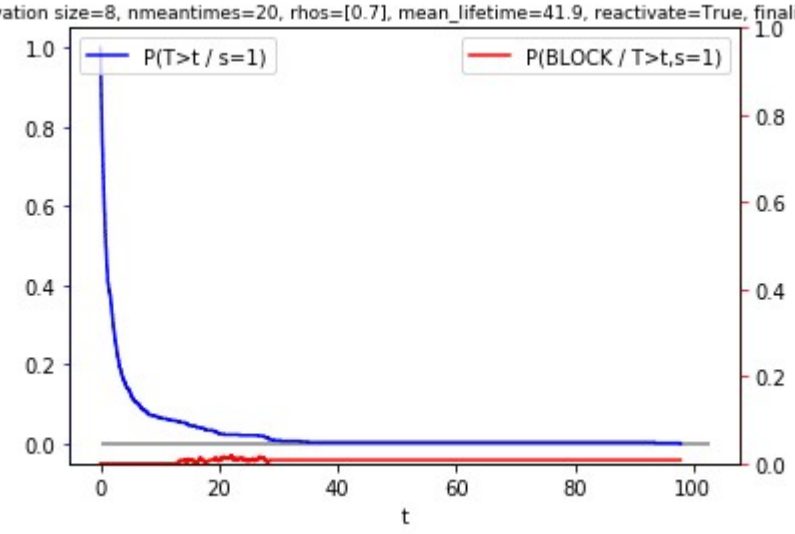
K=20, N=168, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=44.4, reactivate=True, finalize=ABS, seed=1717



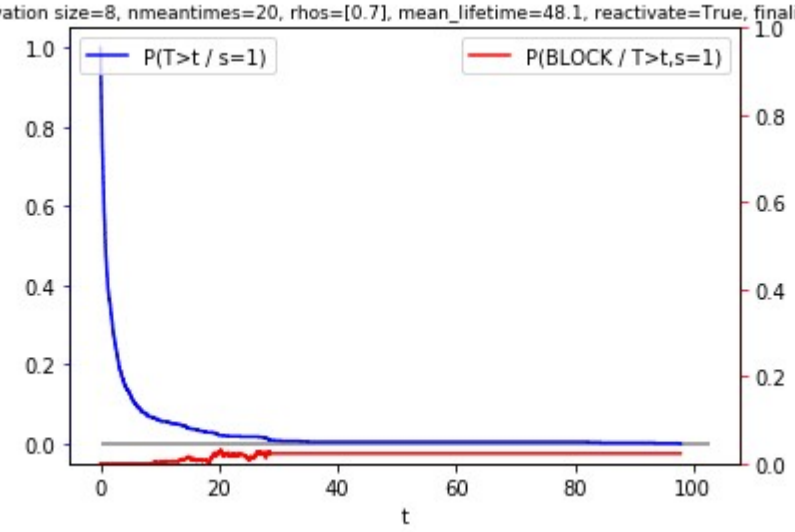
K=20, N=252, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=38.1, reactivate=True, finalize=ABS, seed=1717

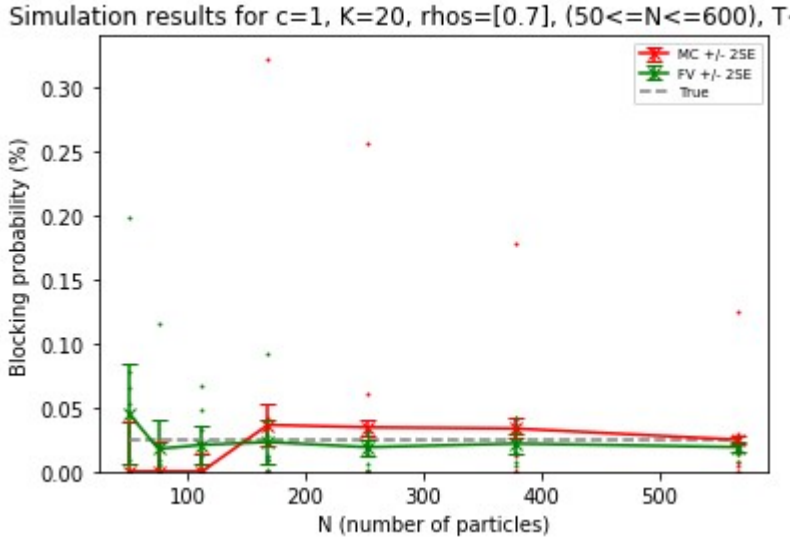


K=20, N=378, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=41.9, reactivate=True, finalize=ABS, seed=1717



K=20, N=567, activation size=8, nmeantimes=20, rhos=[0.7], mean_lifetime=48.1, reactivate=True, finalize=ABS, seed=1717





In [2]: