

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.

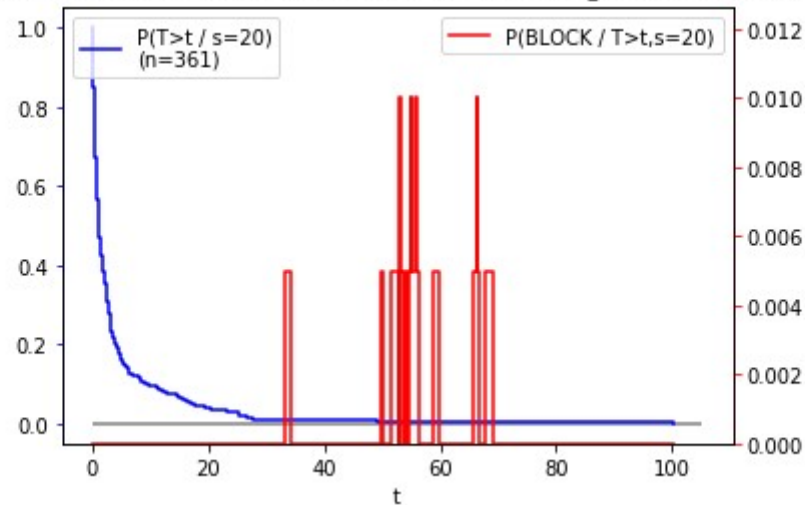
IPython 6.2.1 -- An enhanced Interactive Python.

Restarting kernel...

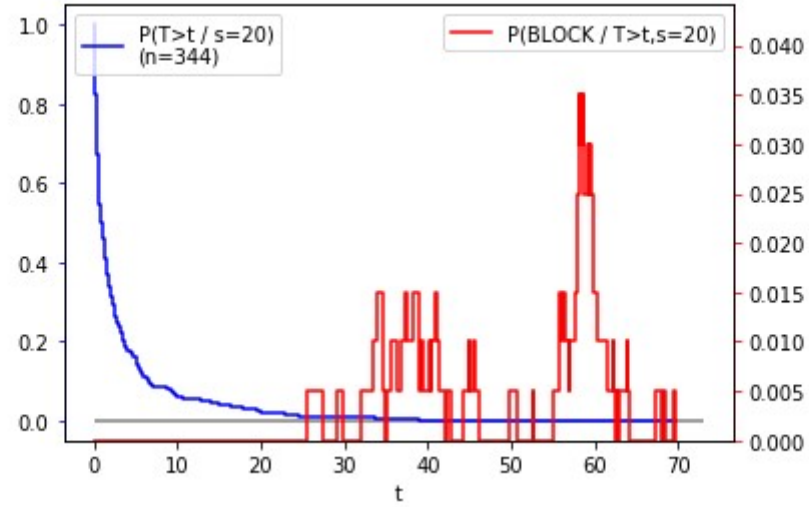
```
In [1]: runfile('E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test/test_QB.py', wdir='E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test')
Directory:
E:\Daniel\Projects\PhD-RL-Toulouse\projects
has been prepended to the module search path.
Log file '../RL-002-QueueBlocking/logs/test_fv_implementation_20210427_030801.log' has been open for output.
Started at: 2021-04-27 03:08:01
C:\ProgramData\Anaconda\Anaconda3\lib\site-packages\matplotlib\pyplot.py:528: RuntimeWarning: More than 20 figures have been opened. Figures created through
the pyplot interface (`matplotlib.pyplot.figure`) are retained until explicitly closed and may consume too much memory. (To control this warning, see the
rcParam `figure.max_open_warning`).
```

```
    max_open_warning, RuntimeWarning)
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: 2021-04-29 09:47:55
Execution time: 3279.9 min, 54.7 hours
```

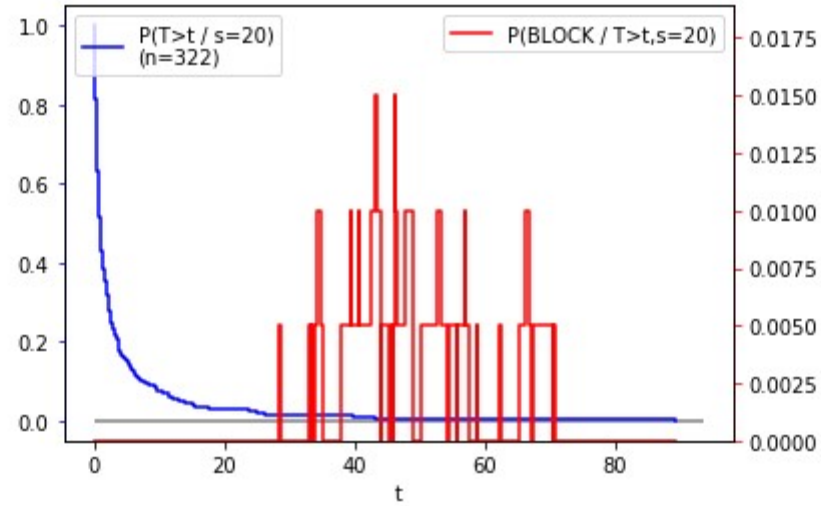
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1603.9(n=178), multiplier=1, seed=1718



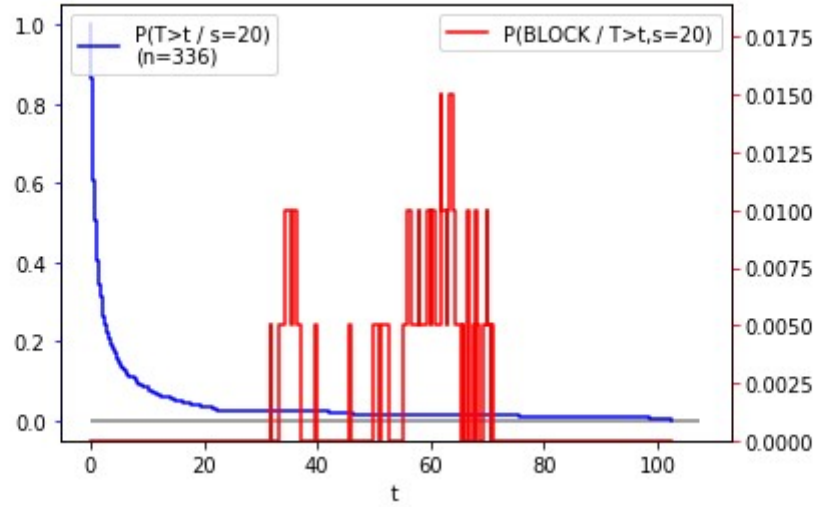
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1441.2(n=180), multiplier=1, seed=1719



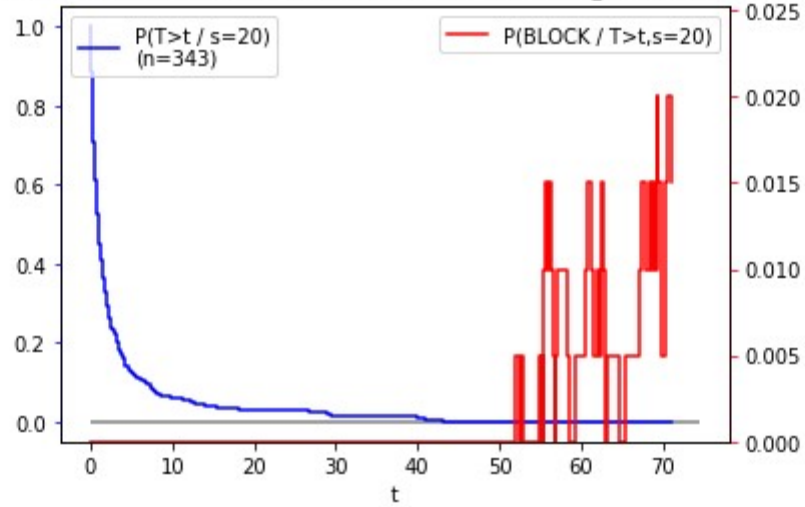
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1326.7(n=179), multiplier=1, seed=1720



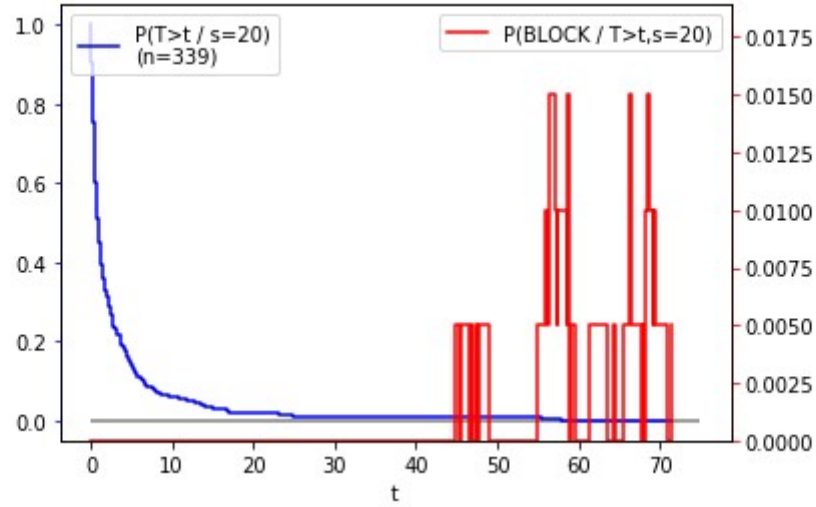
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=773.0(n=174), multiplier=1, seed=1721



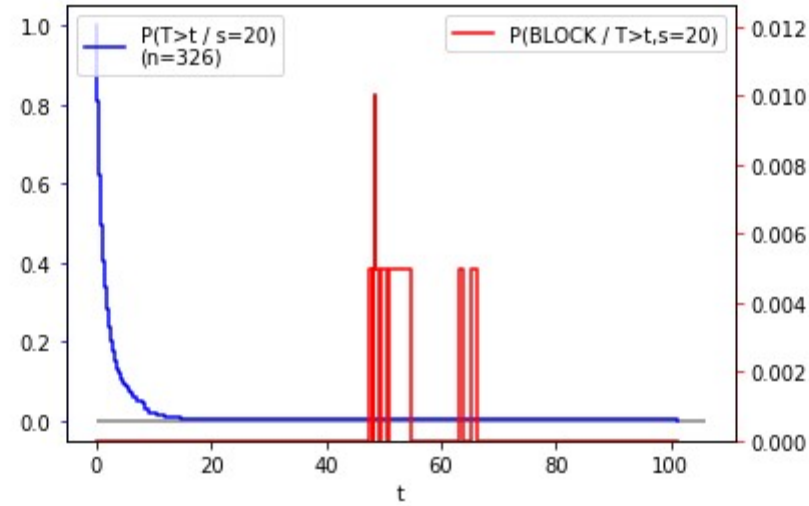
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=948.5(n=173), multiplier=1, seed=1722



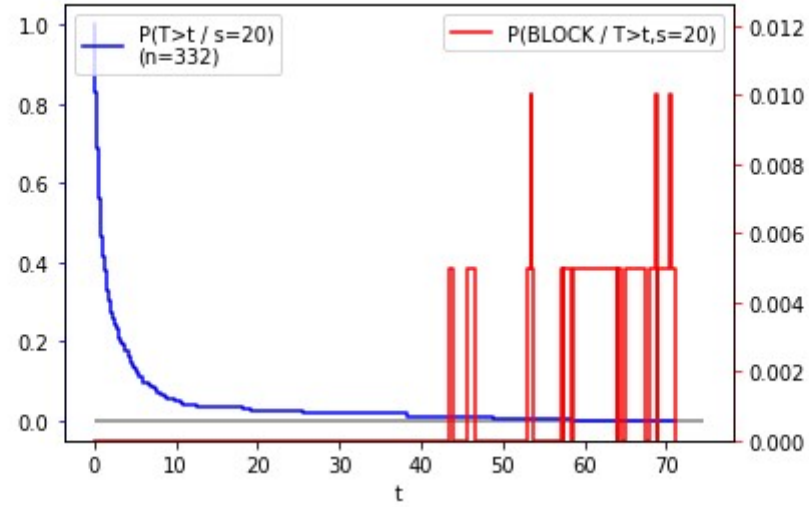
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=908.6(n=177), multiplier=1, seed=1723



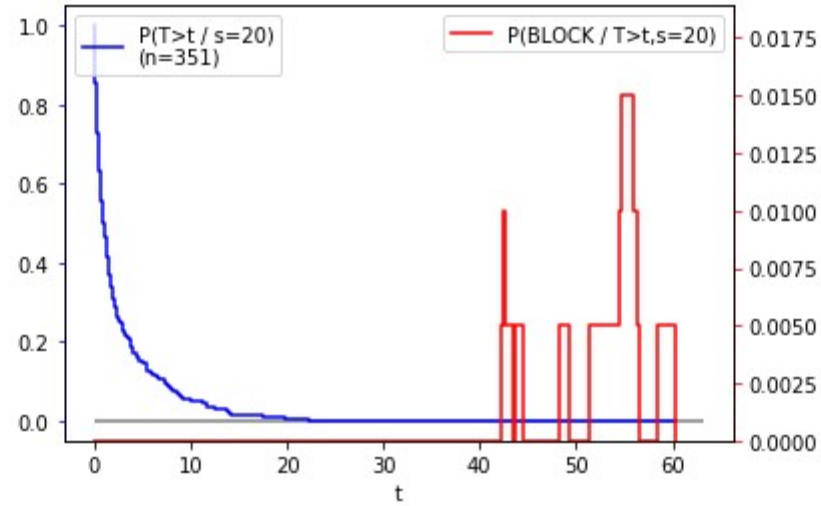
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1348.9(n=178), multiplier=1, seed=1724



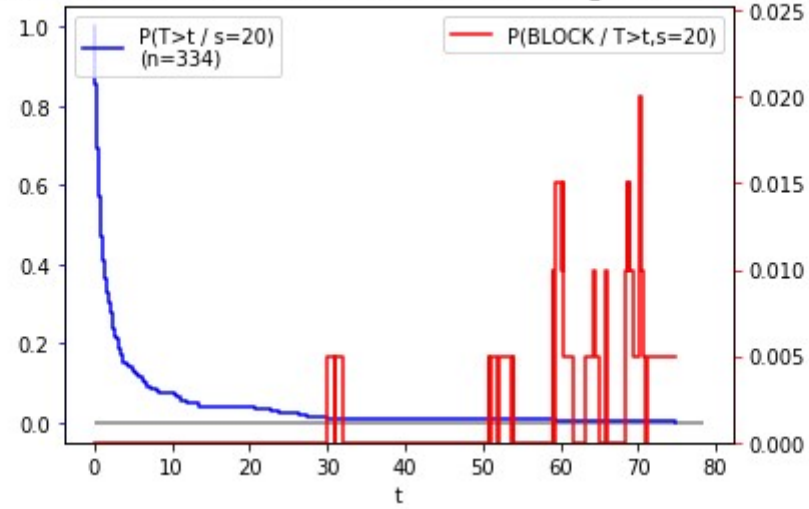
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1293.1(n=169), multiplier=1, seed=1725



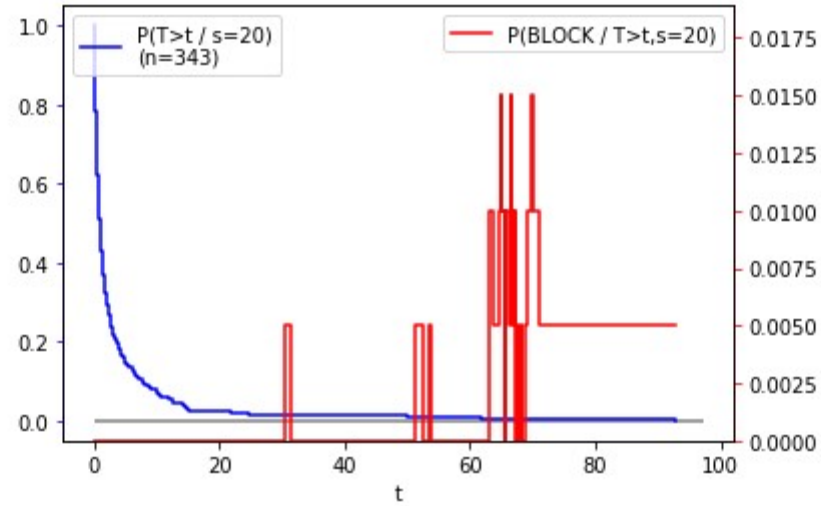
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1681.5(n=184), multiplier=1, seed=1726



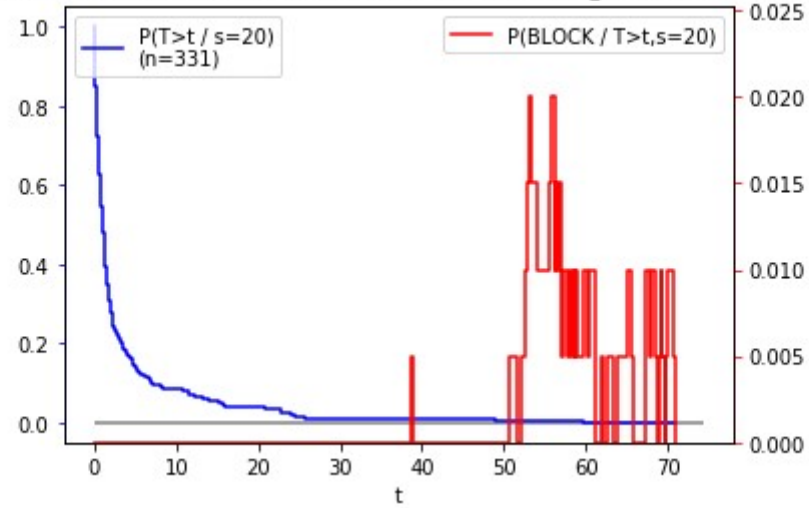
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1093.0(n=177), multiplier=1, seed=1727



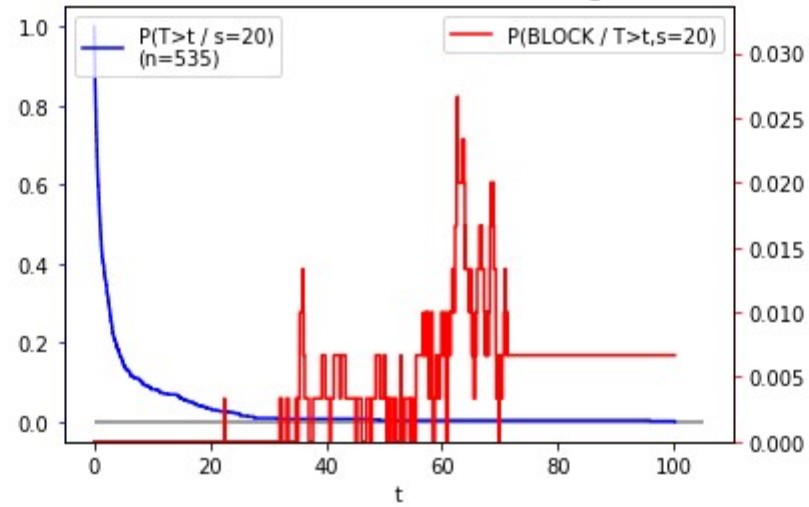
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1424.7(n=185), multiplier=1, seed=1728



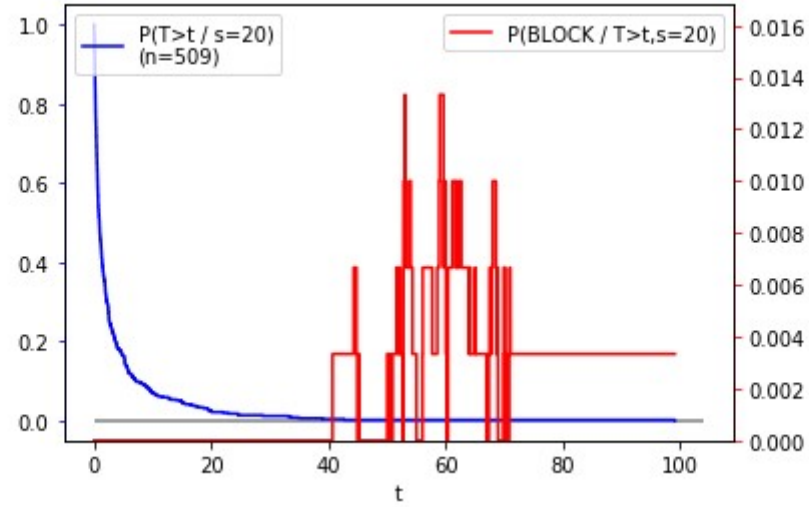
K=40, rhos=[0.7], N=200, activation size=20, maxtime(1)=14285.7, maxtime(N)=71.4, mean_lifetime=1271.6(n=177), multiplier=1, seed=1729



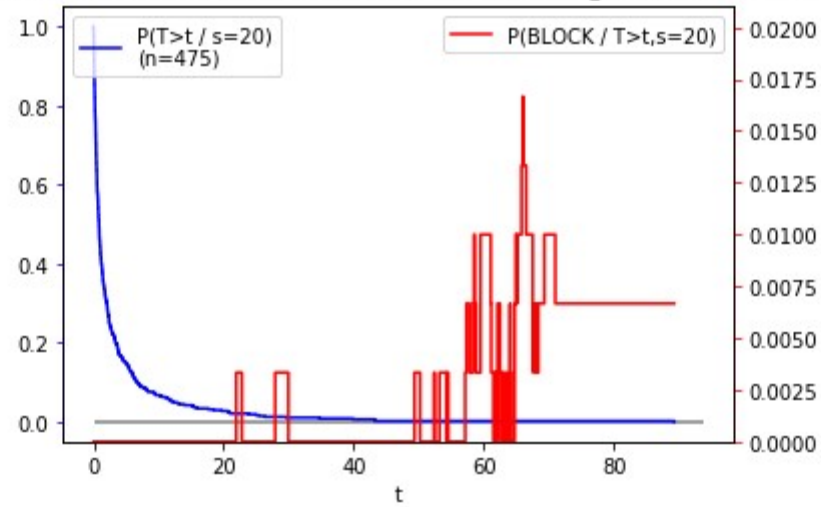
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2068.6(n=279), multiplier=1, seed=1718



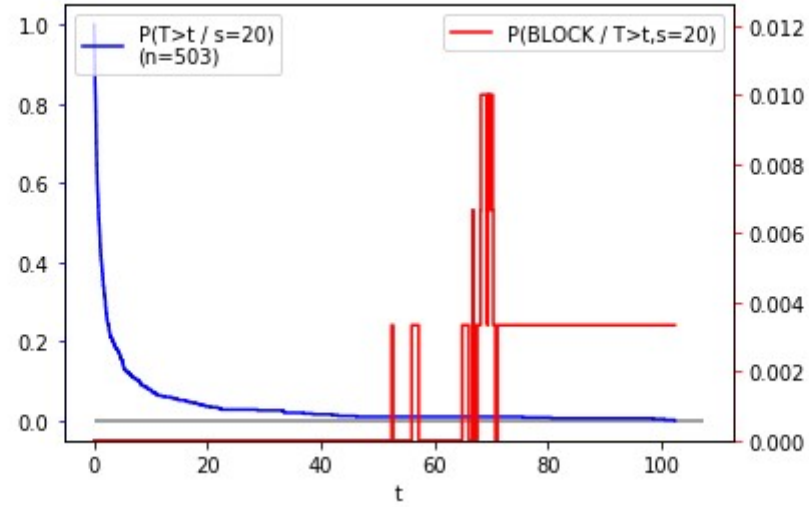
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=1959.2(n=281), multiplier=1, seed=1719



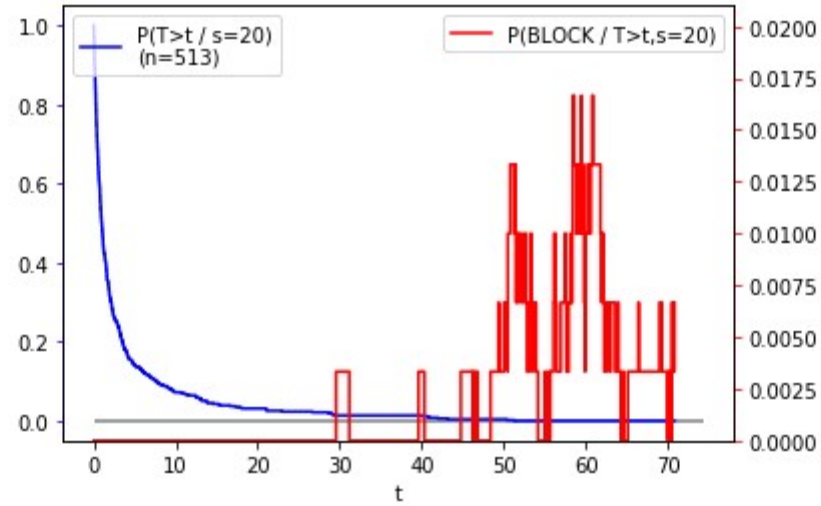
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2444.3(n=282), multiplier=1, seed=1720



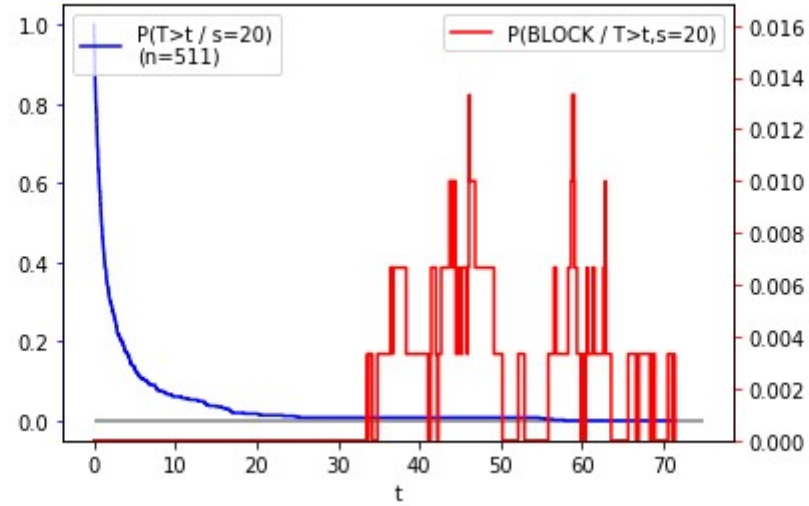
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=1878.9(n=281), multiplier=1, seed=1721



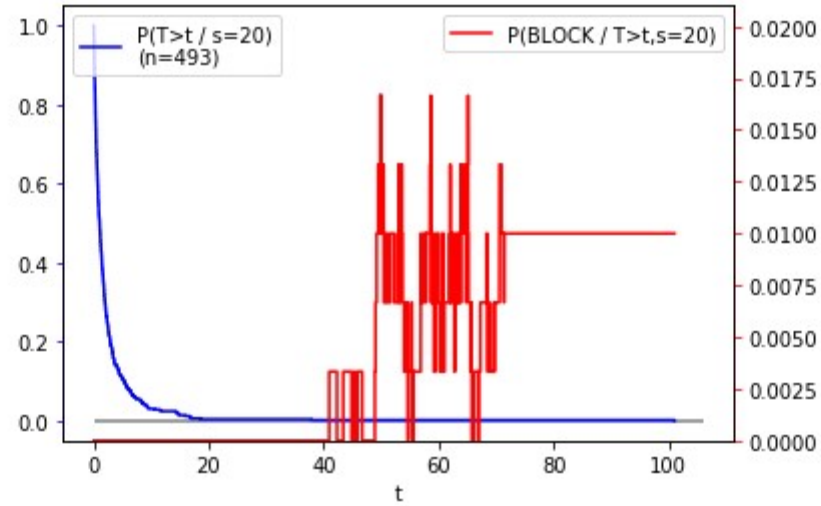
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2125.3(n=278), multiplier=1, seed=1722



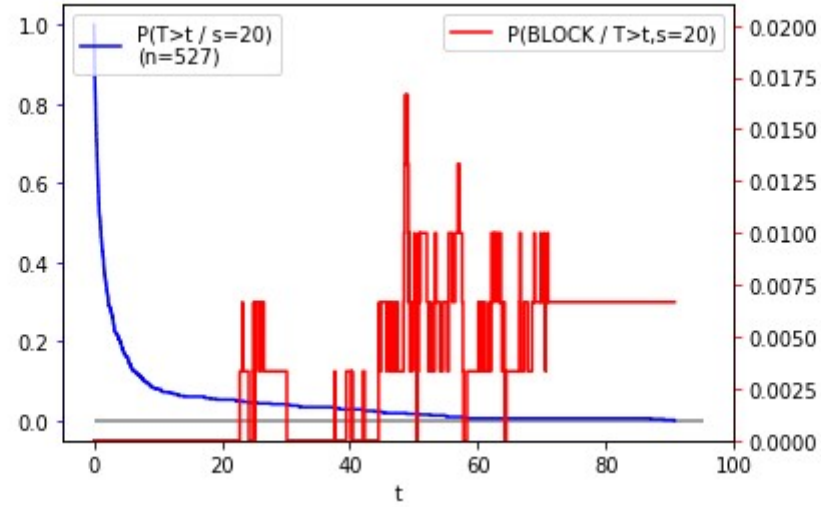
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2066.4(n=271), multiplier=1, seed=1723



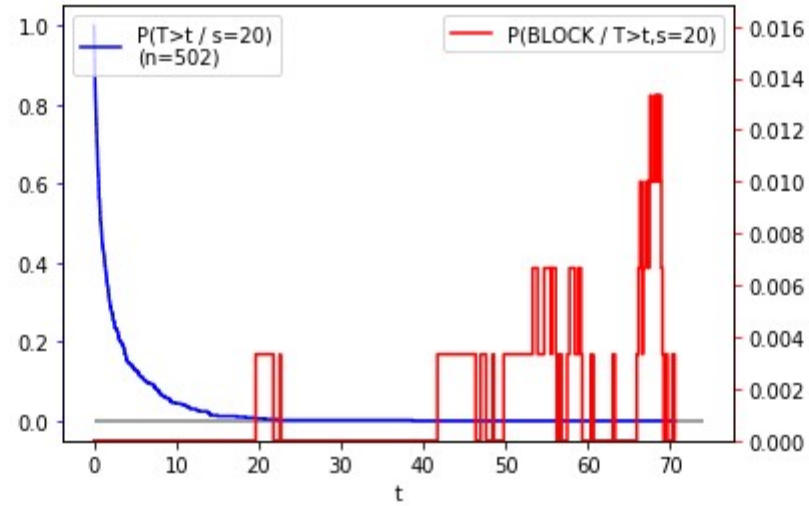
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2407.5(n=288), multiplier=1, seed=1724



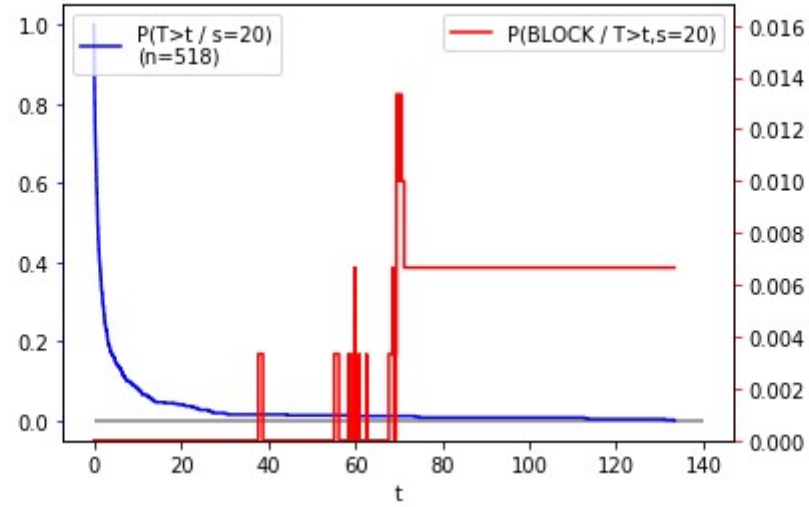
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2266.9(n=273), multiplier=1, seed=1725



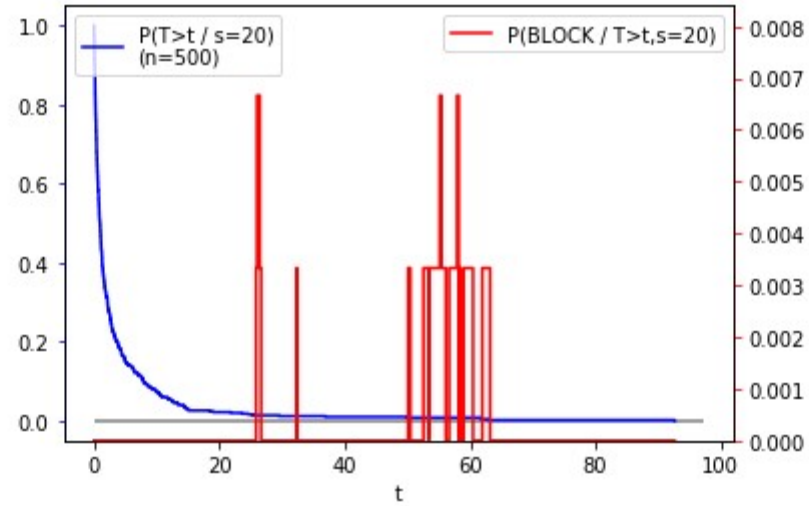
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2326.8(n=287), multiplier=1, seed=1726



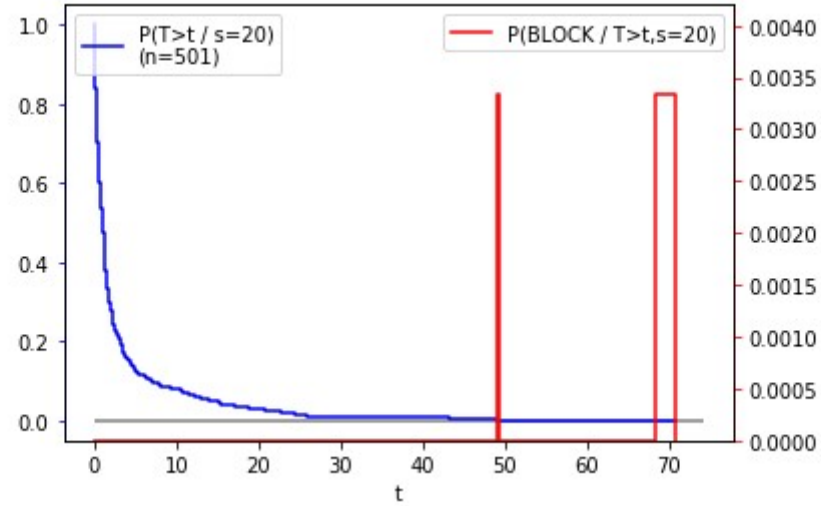
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2402.5(n=278), multiplier=1, seed=1727



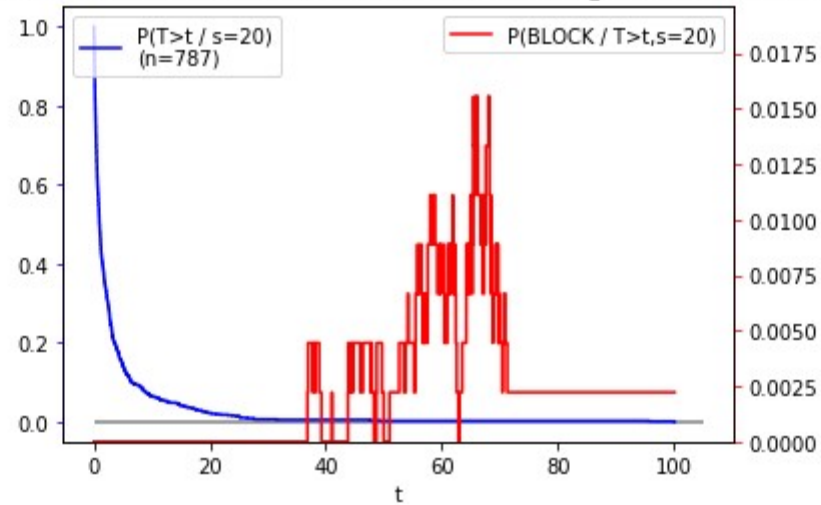
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=2018.3(n=286), multiplier=1, seed=1728



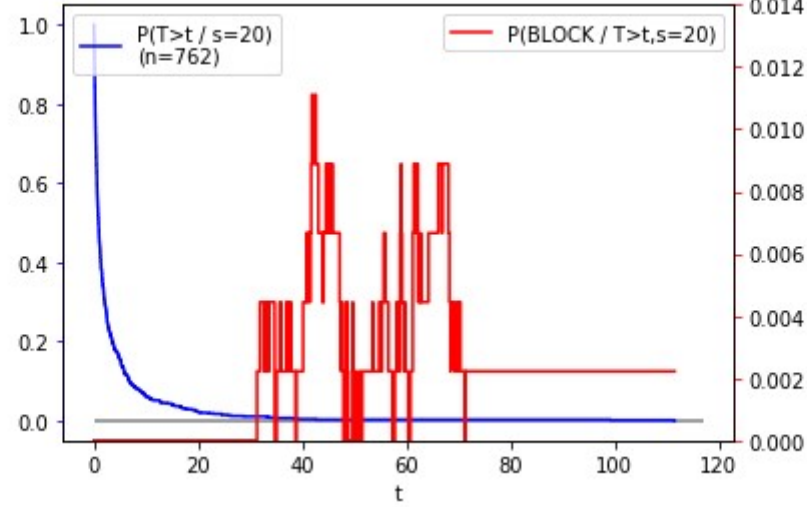
K=40, rhos=[0.7], N=300, activation size=20, maxtime(1)=21428.6, maxtime(N)=71.4, mean_lifetime=1955.4(n=279), multiplier=1, seed=1729



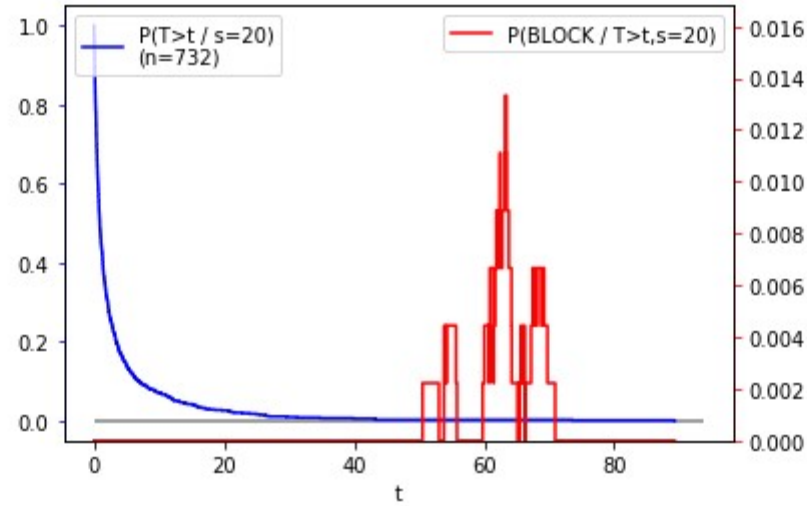
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2817.3(n=434), multiplier=1, seed=1718



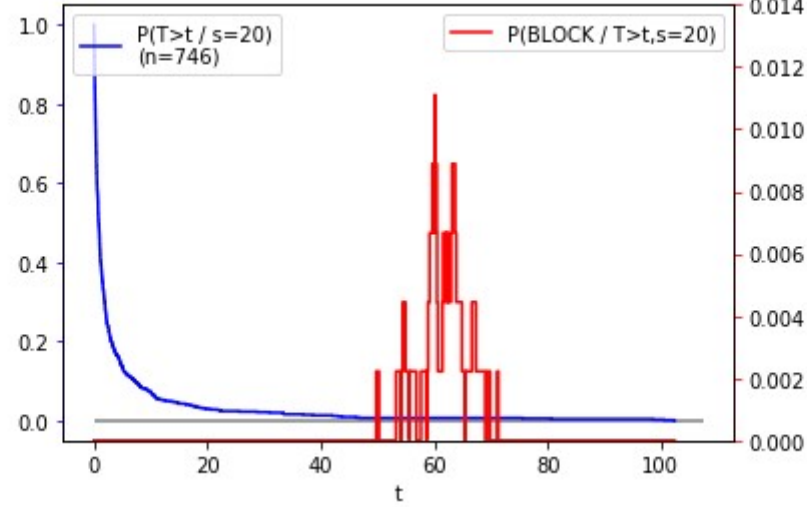
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2877.6(n=440), multiplier=1, seed=1719



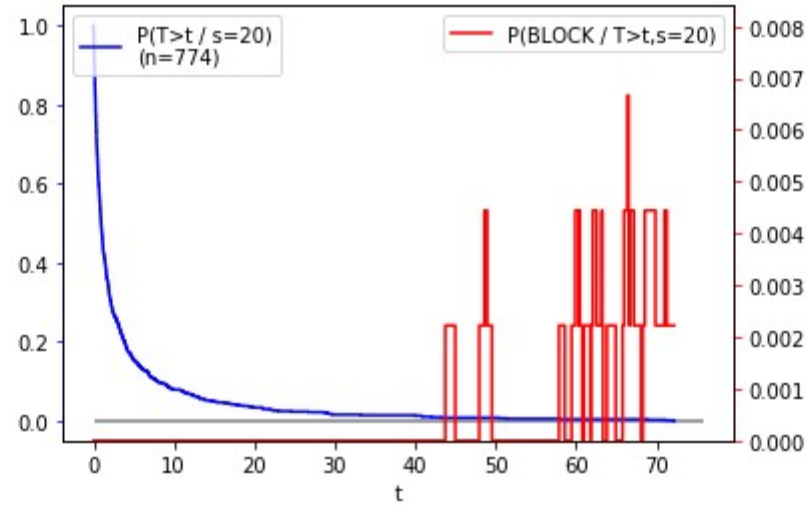
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=3376.8(n=435), multiplier=1, seed=1720



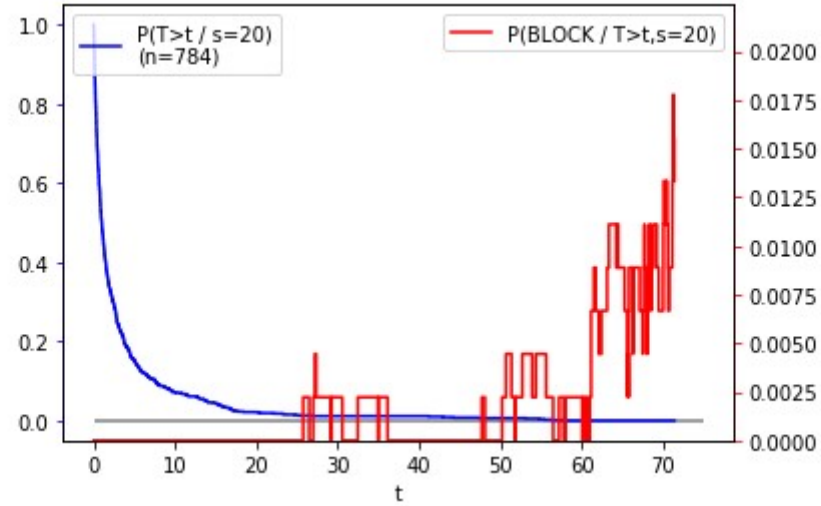
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2696.1(n=430), multiplier=1, seed=1721



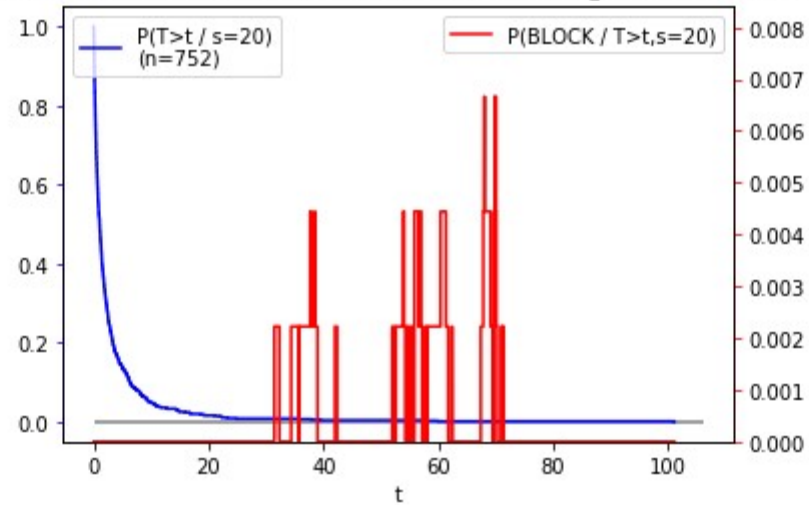
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2943.2(n=433), multiplier=1, seed=1722



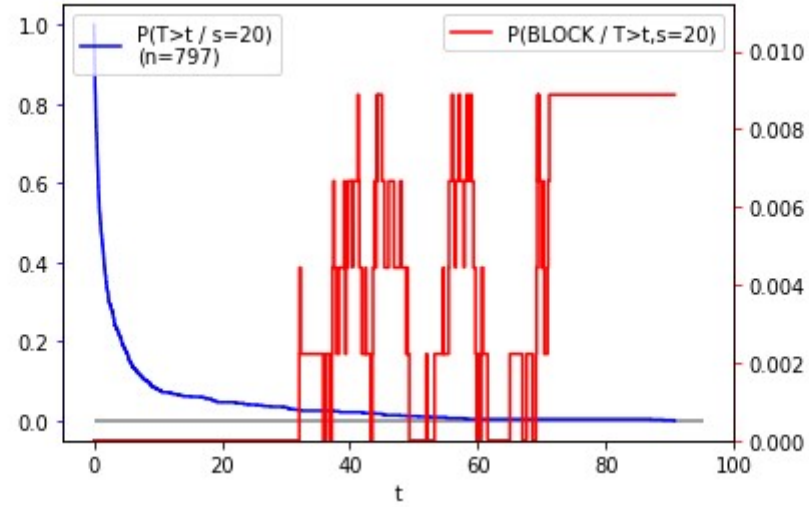
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2797.2(n=432), multiplier=1, seed=1723



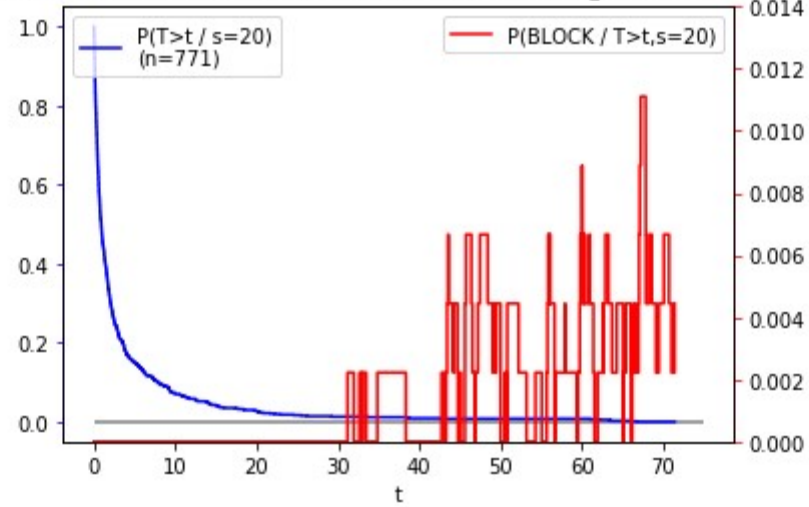
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2941.0(n=436), multiplier=1, seed=1724



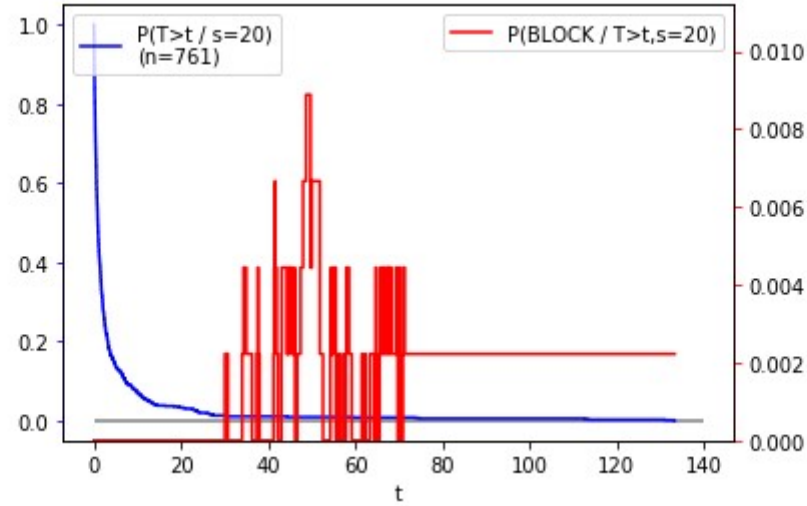
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2809.0(n=436), multiplier=1, seed=1725



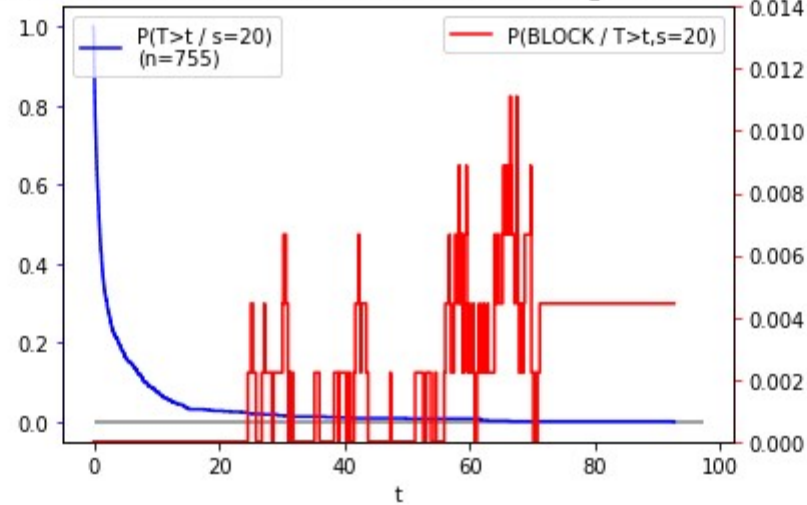
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=3110.0(n=441), multiplier=1, seed=1726



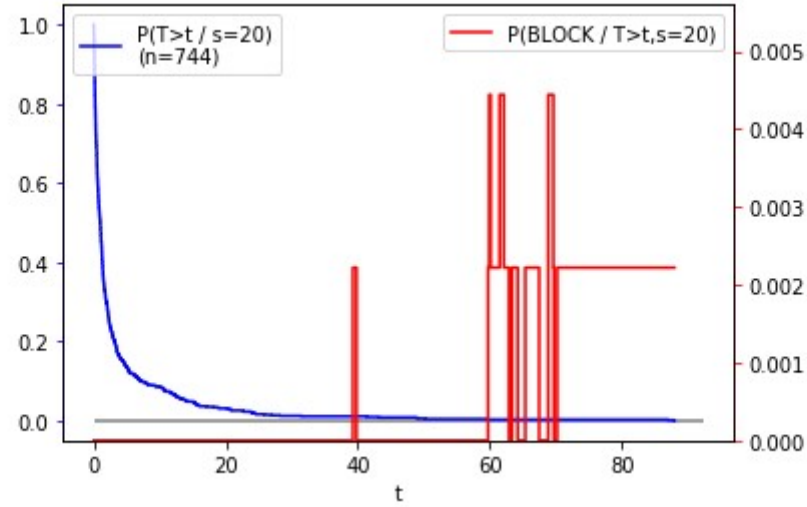
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=3174.6(n=436), multiplier=1, seed=1727



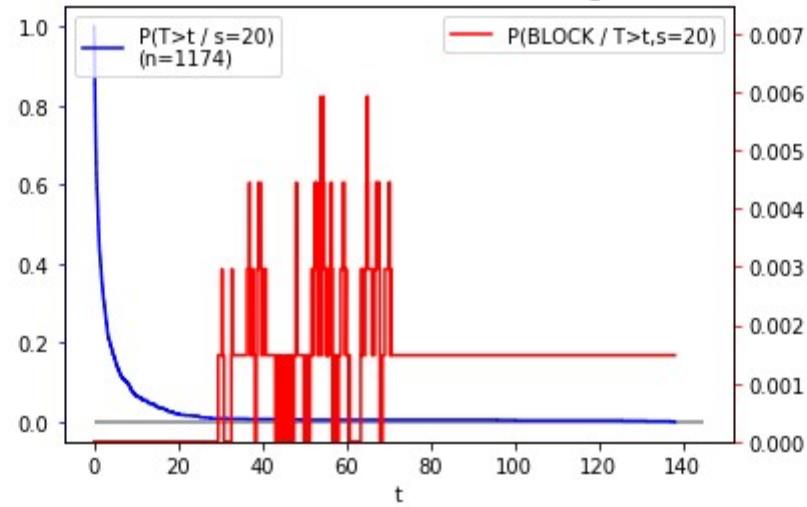
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=3246.3(n=442), multiplier=1, seed=1728



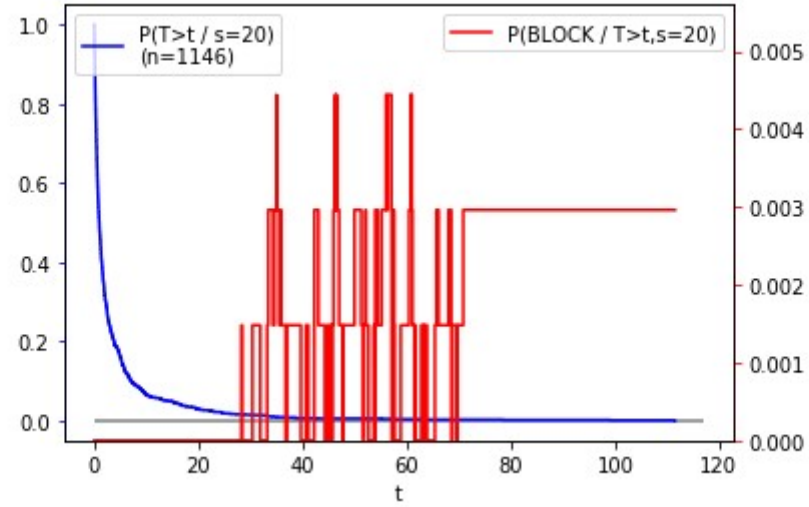
K=40, rhos=[0.7], N=450, activation size=20, maxtime(1)=32142.9, maxtime(N)=71.4, mean_lifetime=2466.3(n=435), multiplier=1, seed=1729



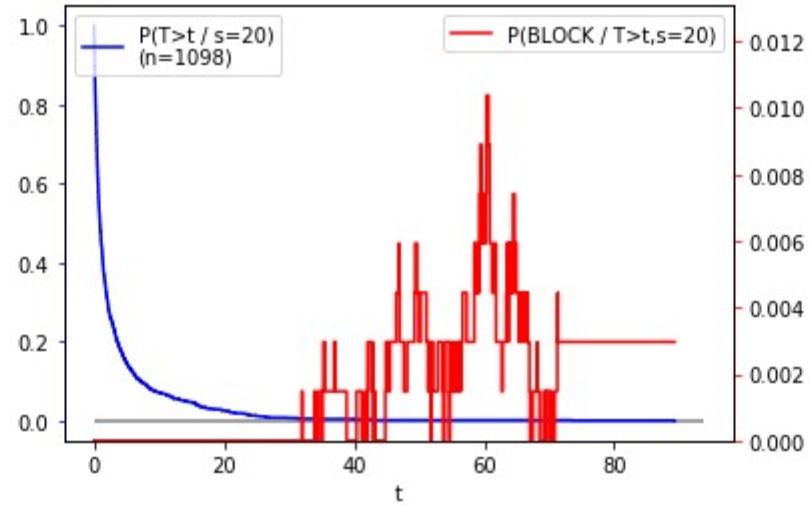
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3862.2(n=665), multiplier=1, seed=1718



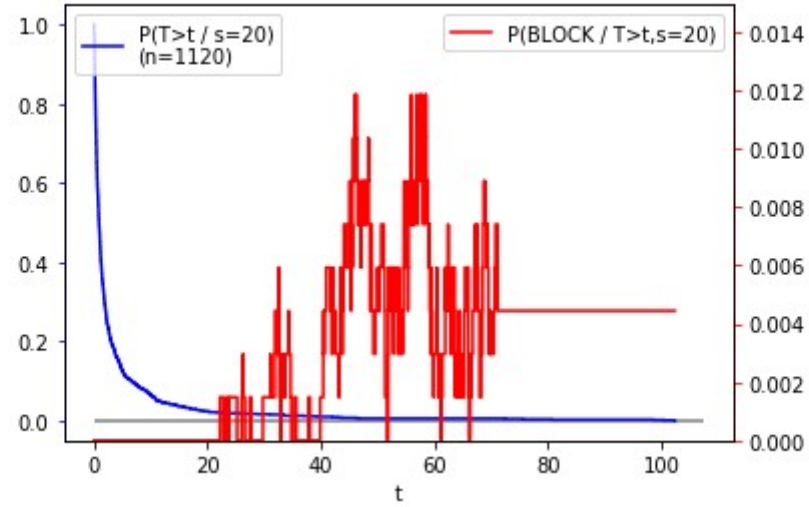
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3489.3(n=666), multiplier=1, seed=1719



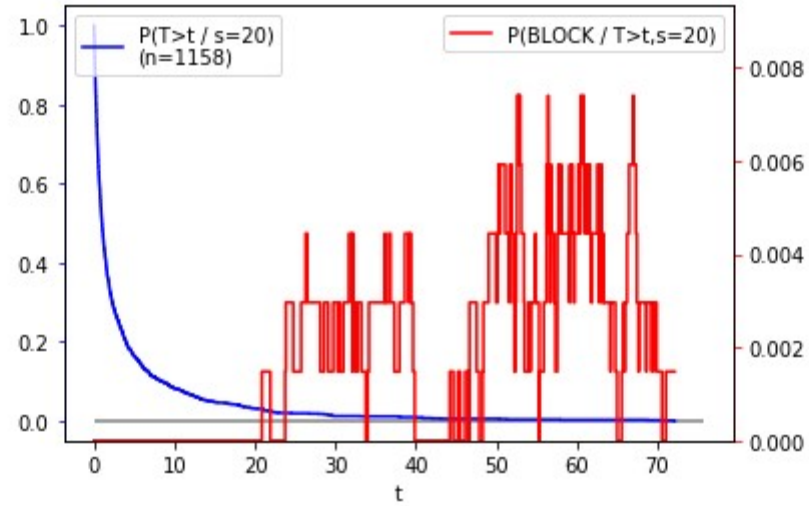
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=4184.7(n=668), multiplier=1, seed=1720



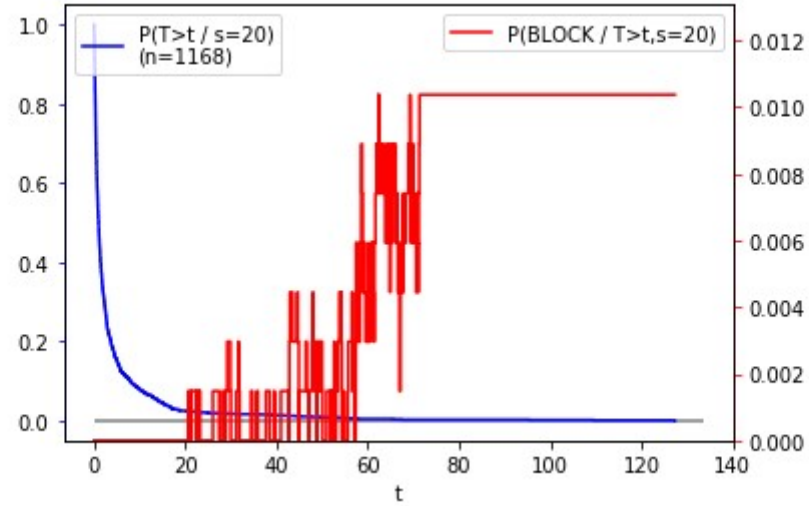
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3899.2(n=669), multiplier=1, seed=1721



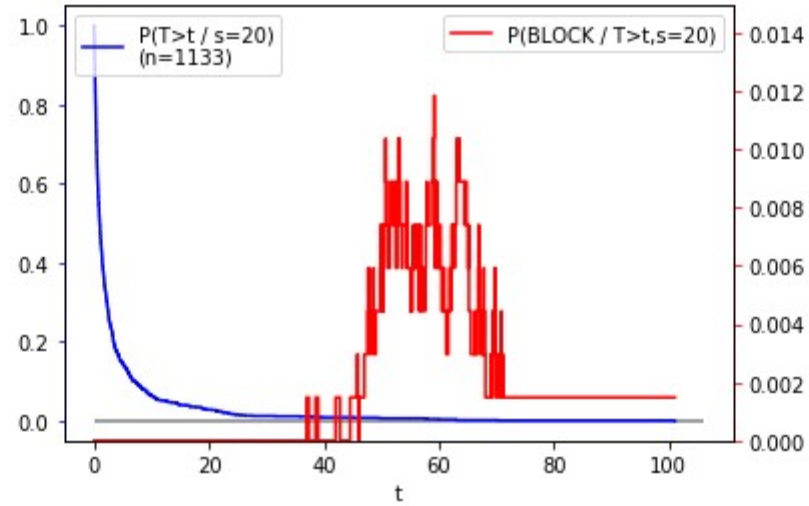
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3702.5(n=669), multiplier=1, seed=1722



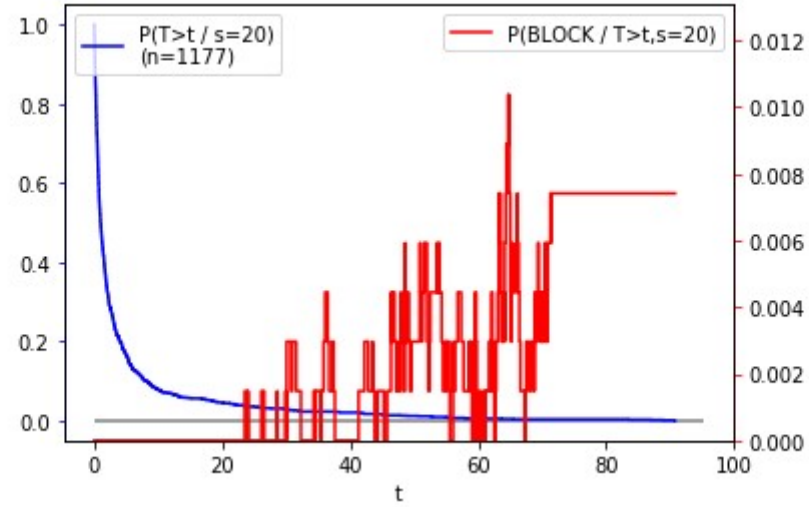
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3602.3(n=670), multiplier=1, seed=1723



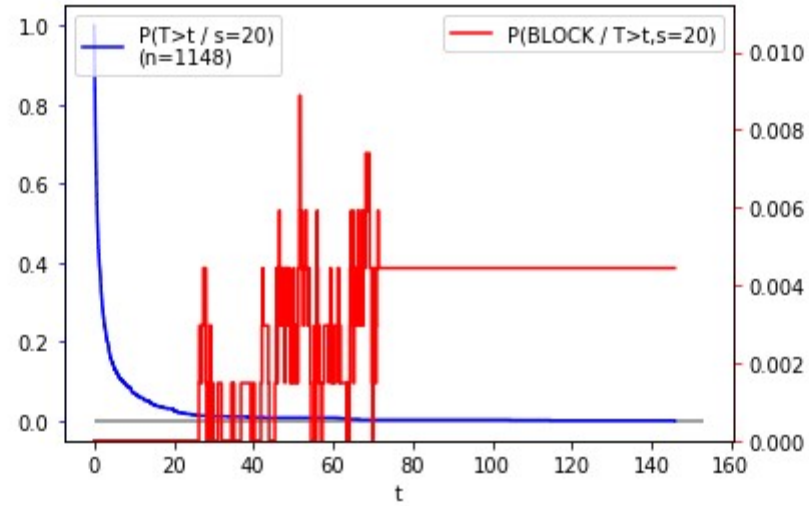
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3958.6(n=670), multiplier=1, seed=1724



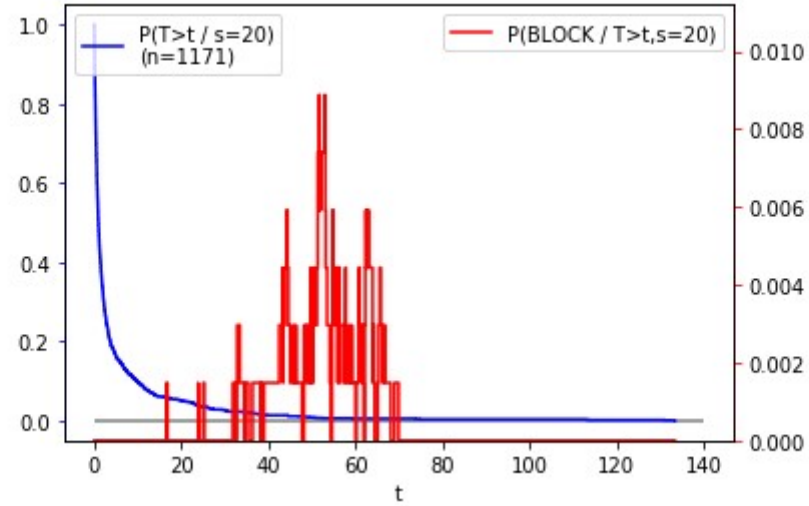
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3588.0(n=666), multiplier=1, seed=1725



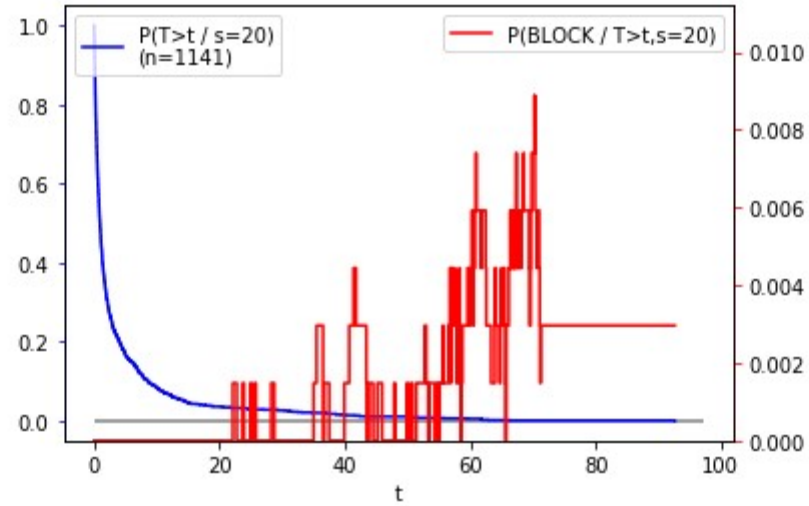
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3695.8(n=672), multiplier=1, seed=1726



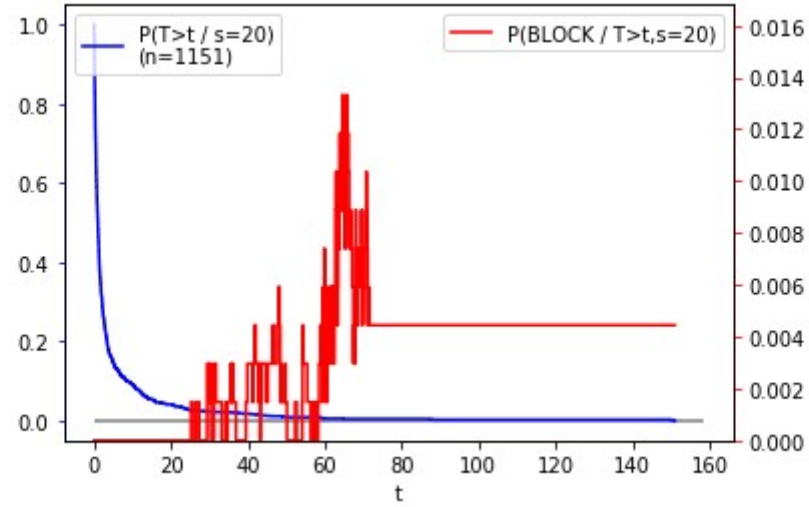
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3986.9(n=673), multiplier=1, seed=1727



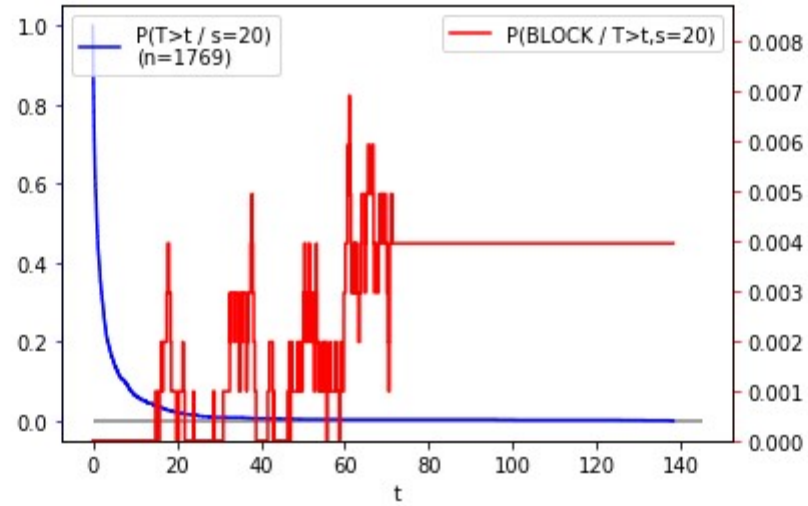
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3676.2(n=670), multiplier=1, seed=1728



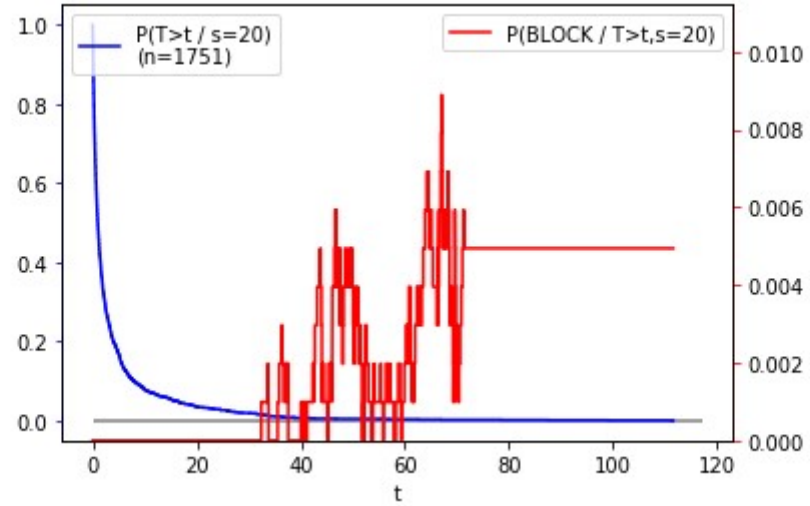
K=40, rhos=[0.7], N=675, activation size=20, maxtime(1)=48214.3, maxtime(N)=71.4, mean_lifetime=3504.5(n=668), multiplier=1, seed=1729



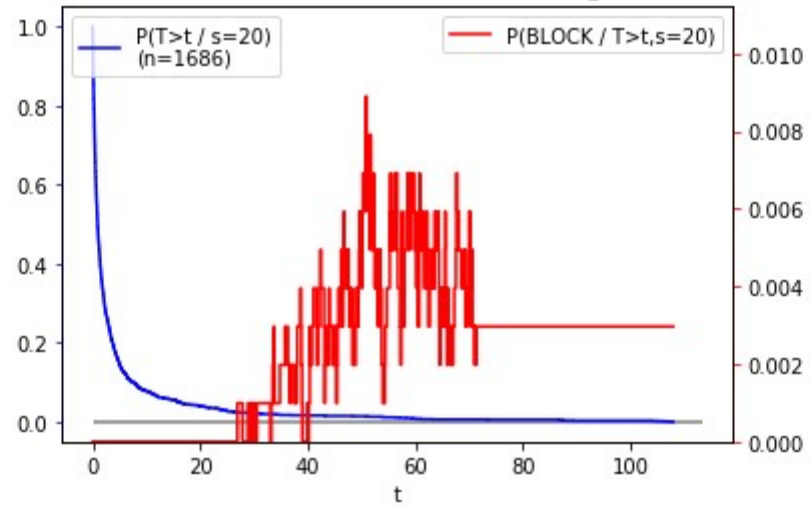
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4435.9(n=1009), multiplier=1, seed=1718



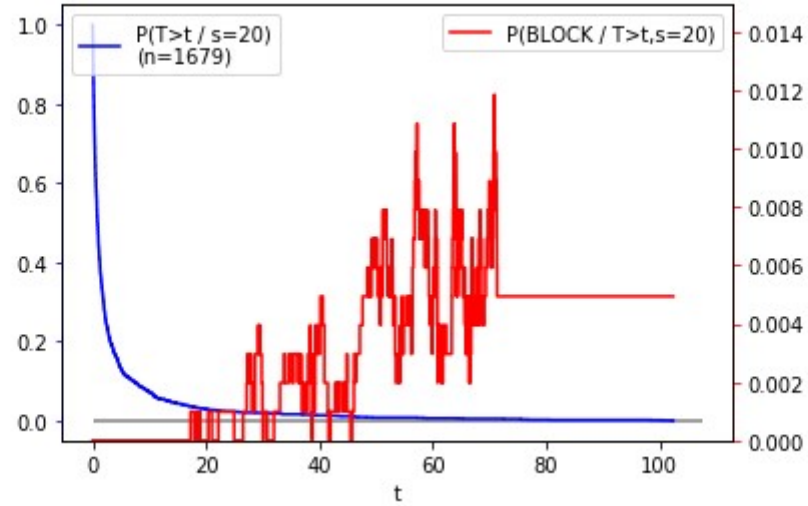
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4285.8(n=1012), multiplier=1, seed=1719



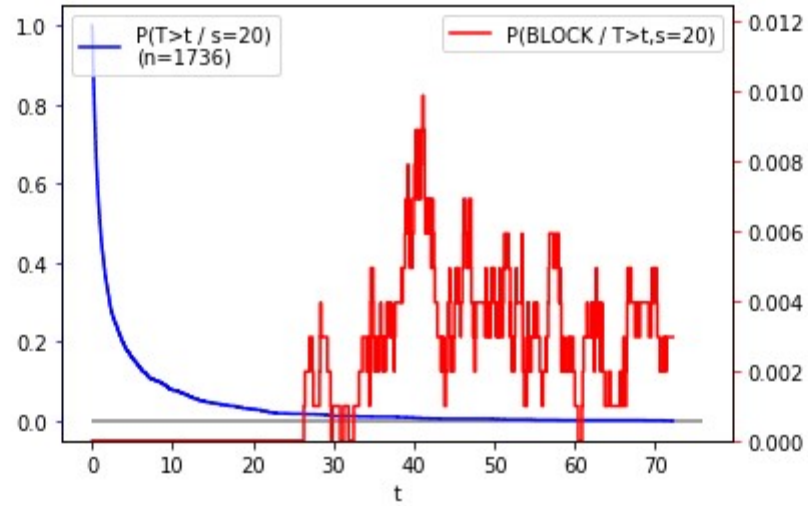
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4674.7(n=1011), multiplier=1, seed=1720



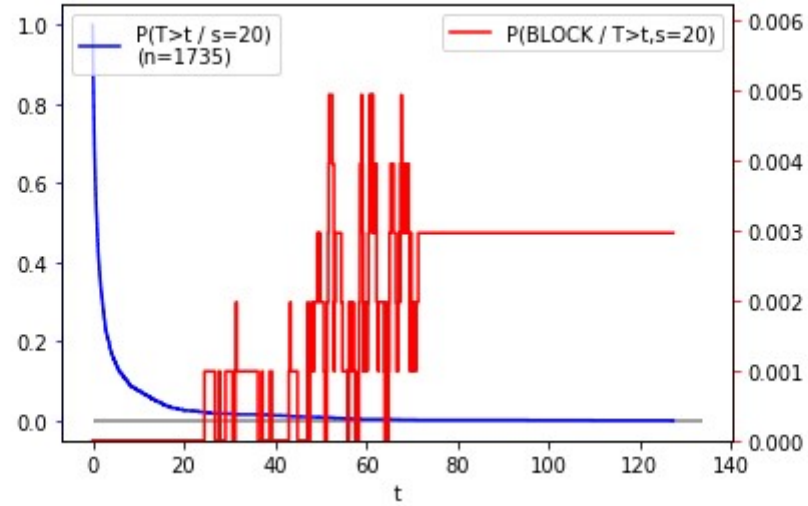
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4210.7(n=1008), multiplier=1, seed=1721



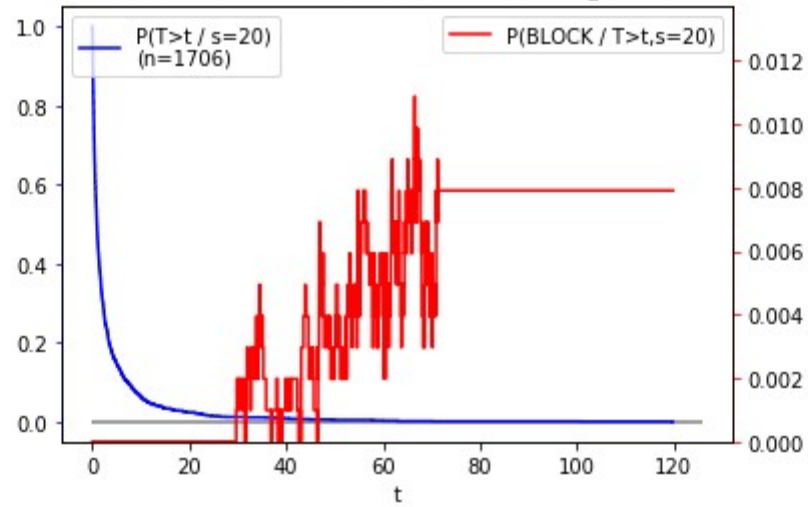
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4328.2(n=1012), multiplier=1, seed=1722



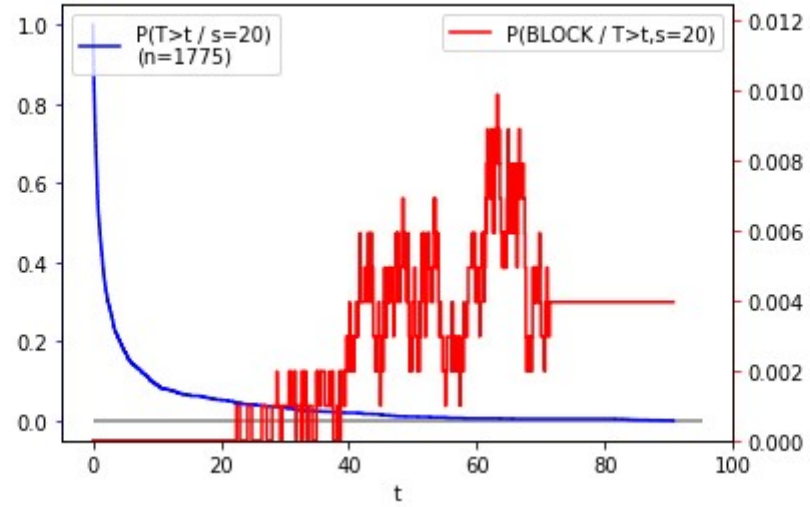
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=3836.4(n=1012), multiplier=1, seed=1723



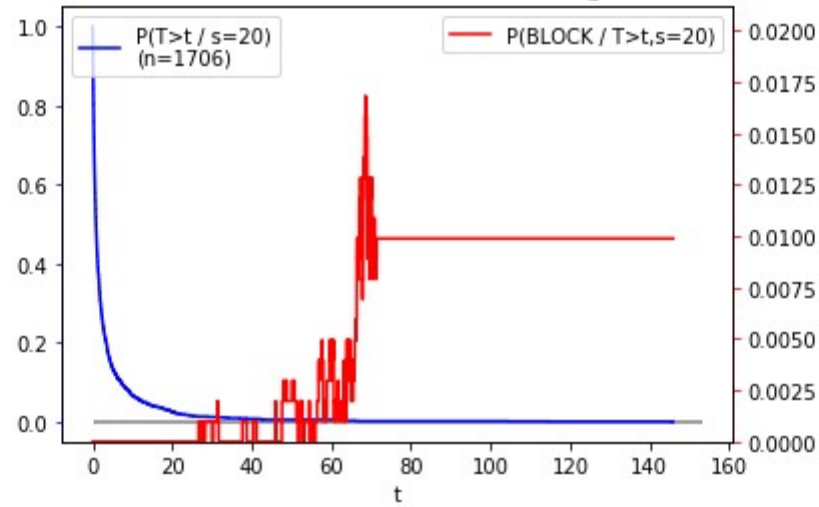
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4132.4(n=1009), multiplier=1, seed=1724



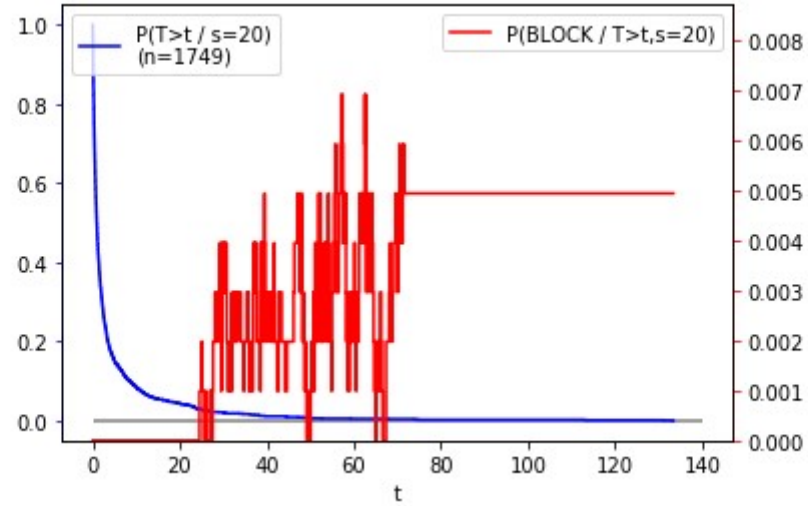
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=3986.8(n=1008), multiplier=1, seed=1725



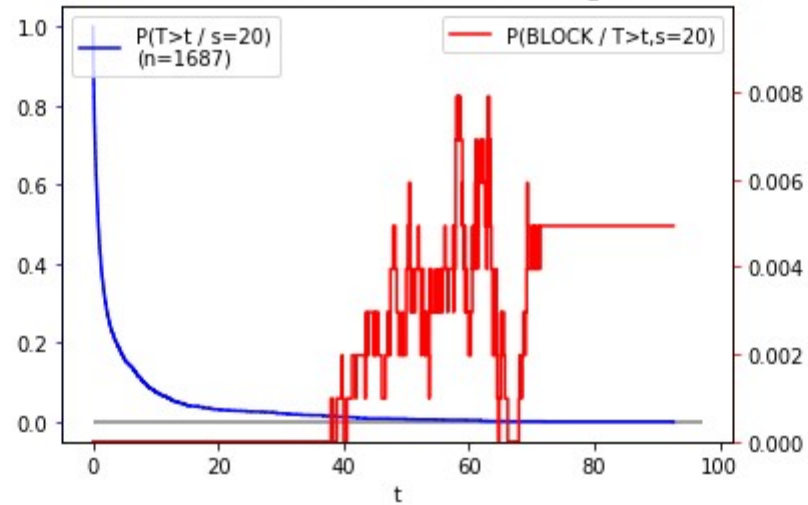
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=4000.4(n=1011), multiplier=1, seed=1726



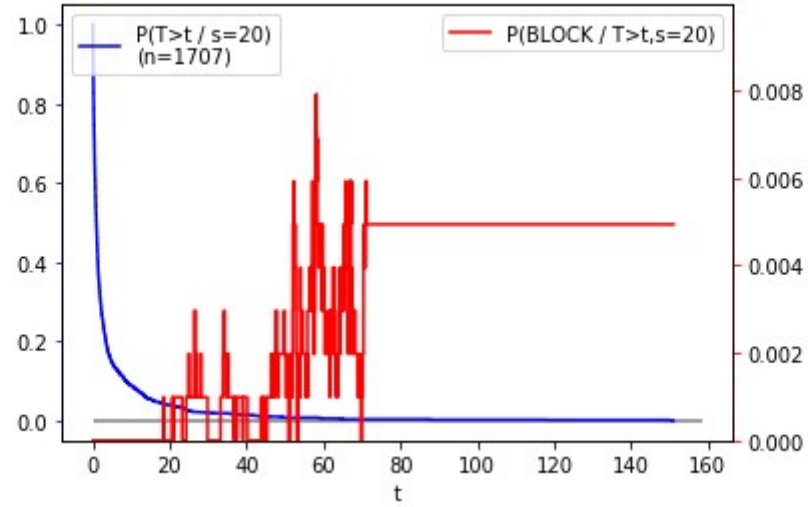
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=3913.9(n=1012), multiplier=1, seed=1727



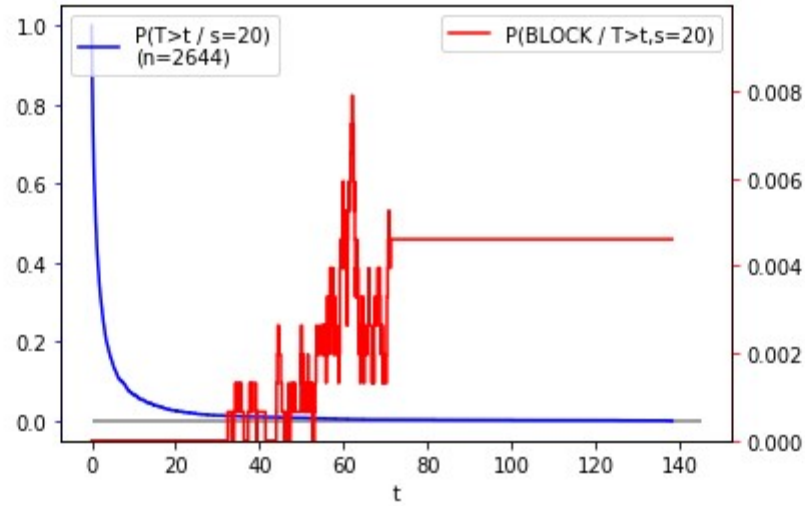
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=3900.1(n=1009), multiplier=1, seed=1728



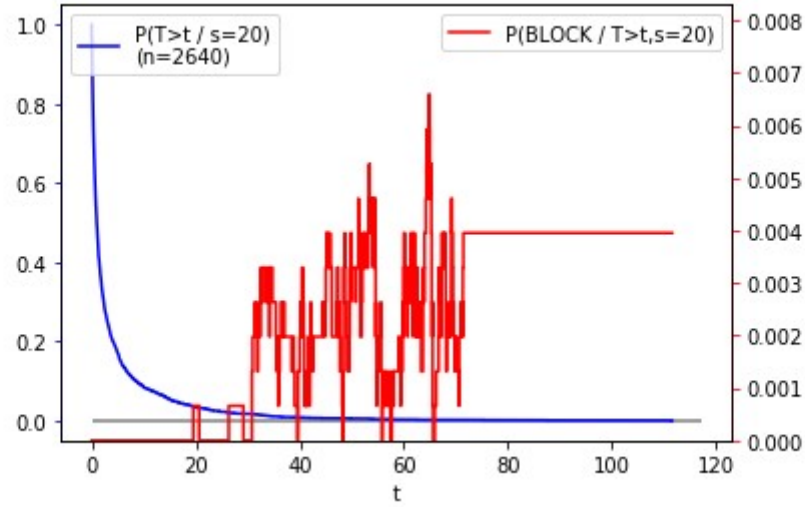
K=40, rhos=[0.7], N=1012, activation size=20, maxtime(1)=72285.7, maxtime(N)=71.4, mean_lifetime=3767.1(n=1010), multiplier=1, seed=1729



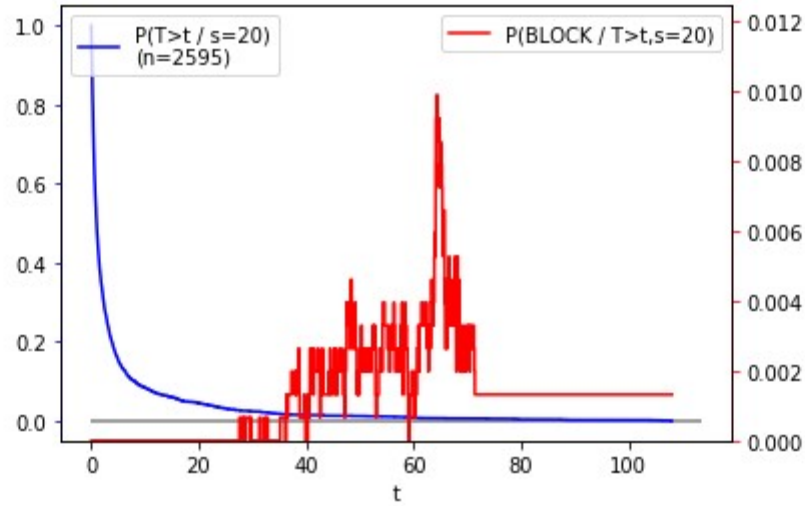
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4540.3(n=1517), multiplier=1, seed=1718



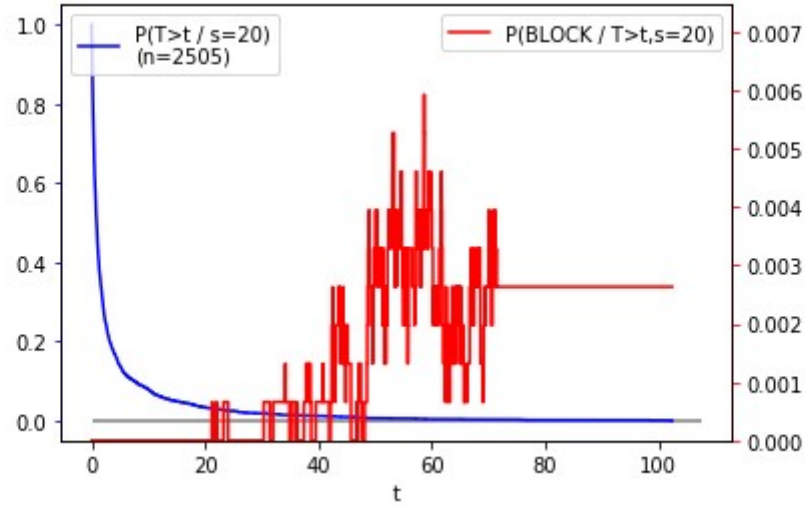
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4026.7(n=1518), multiplier=1, seed=1719



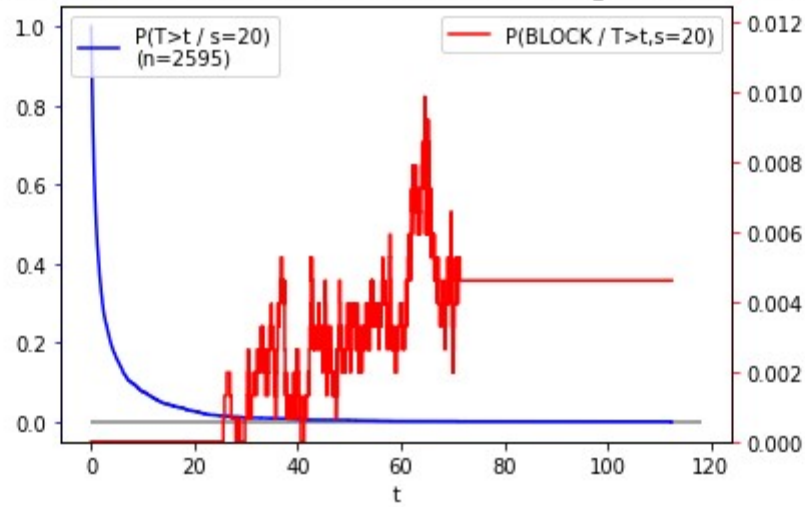
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4584.4(n=1518), multiplier=1, seed=1720



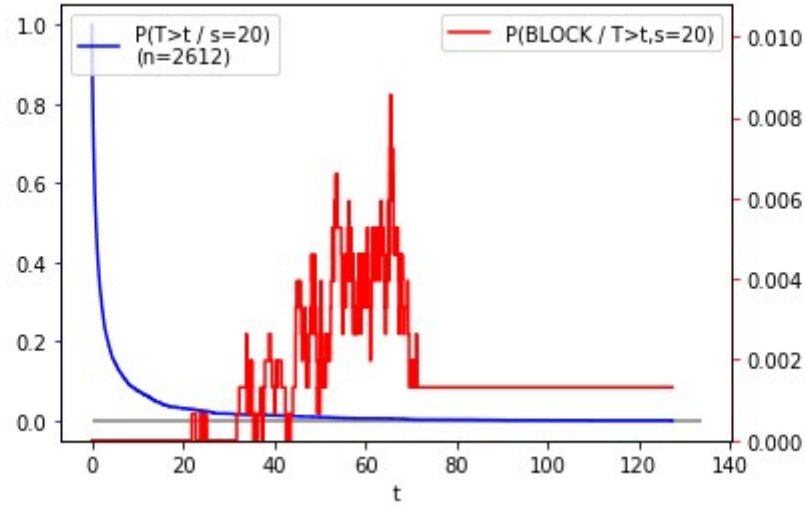
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4365.5(n=1517), multiplier=1, seed=1721



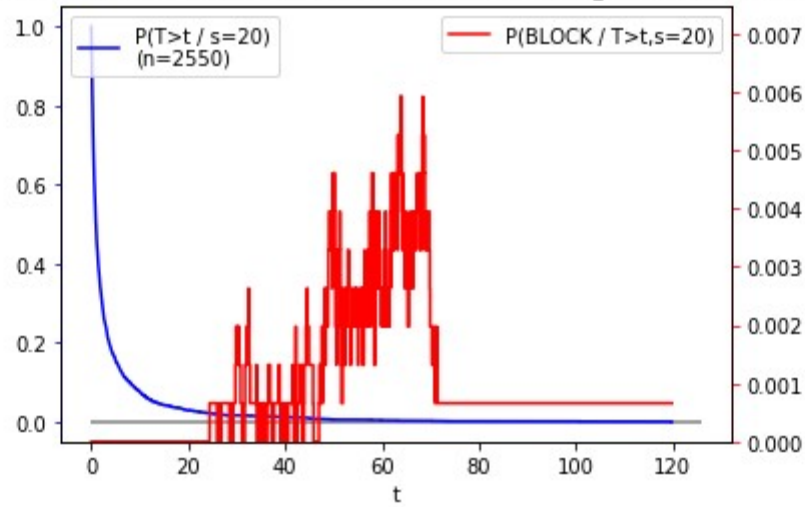
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4622.1(n=1518), multiplier=1, seed=1722



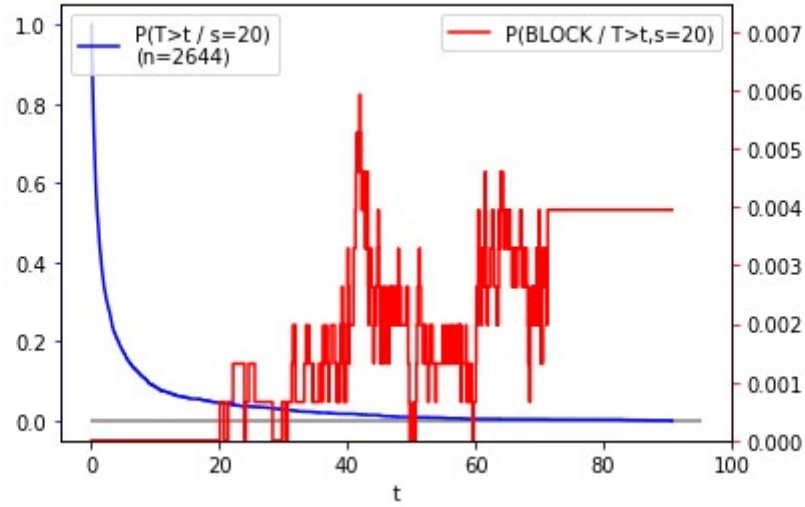
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=3770.3(n=1518), multiplier=1, seed=1723



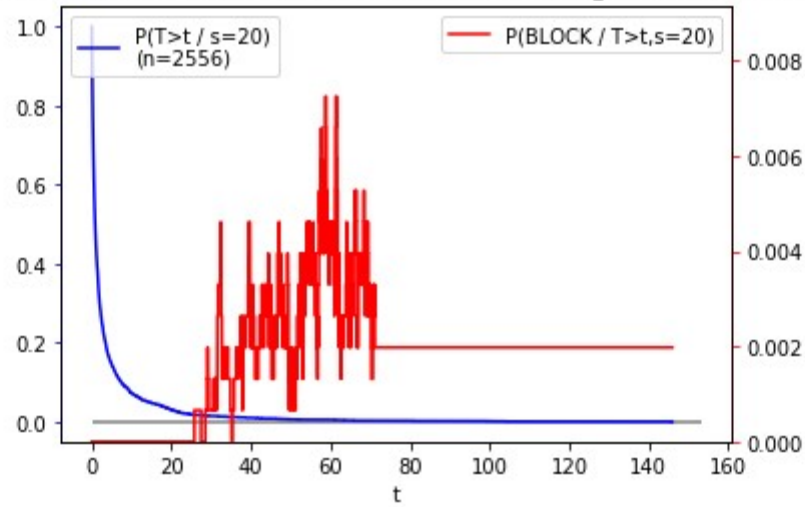
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4034.0(n=1518), multiplier=1, seed=1724



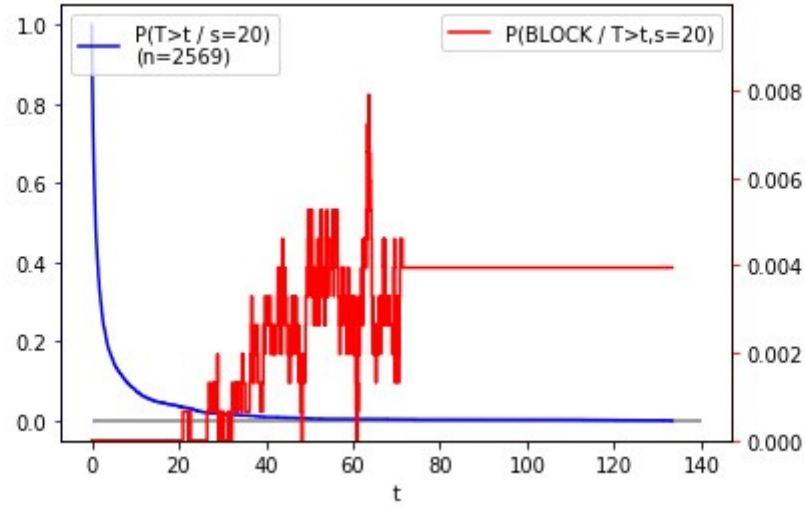
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4391.4(n=1518), multiplier=1, seed=1725



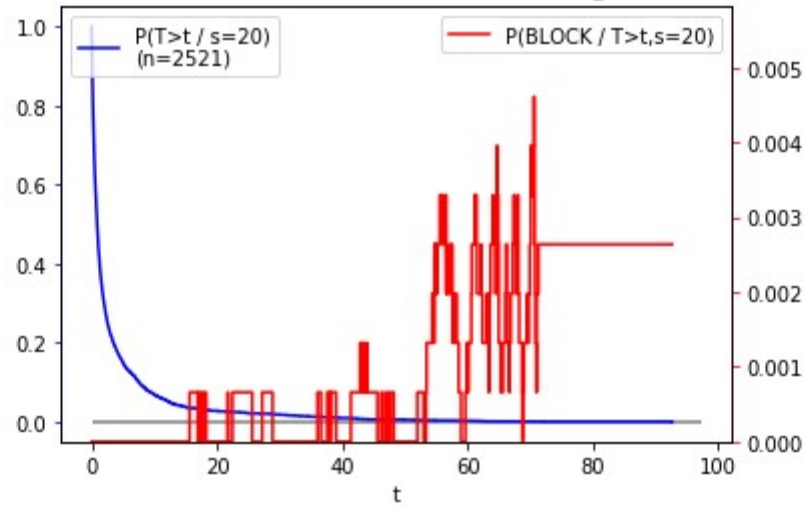
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=3916.8(n=1518), multiplier=1, seed=1726



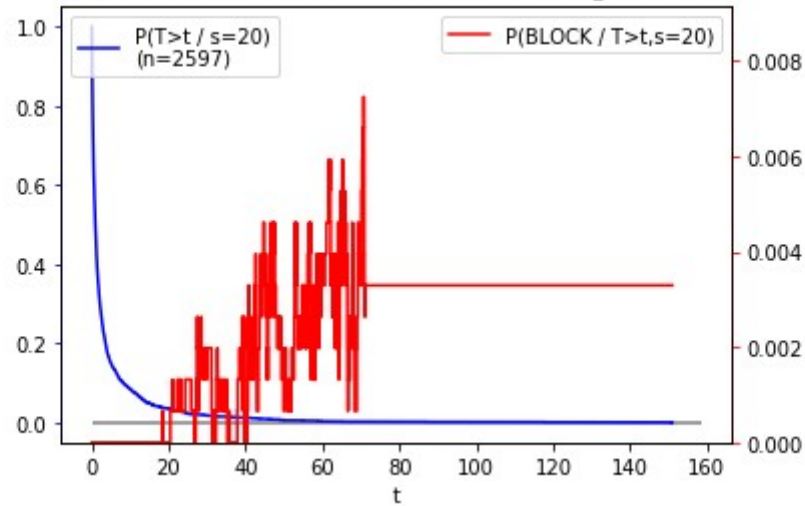
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=3911.0(n=1517), multiplier=1, seed=1727



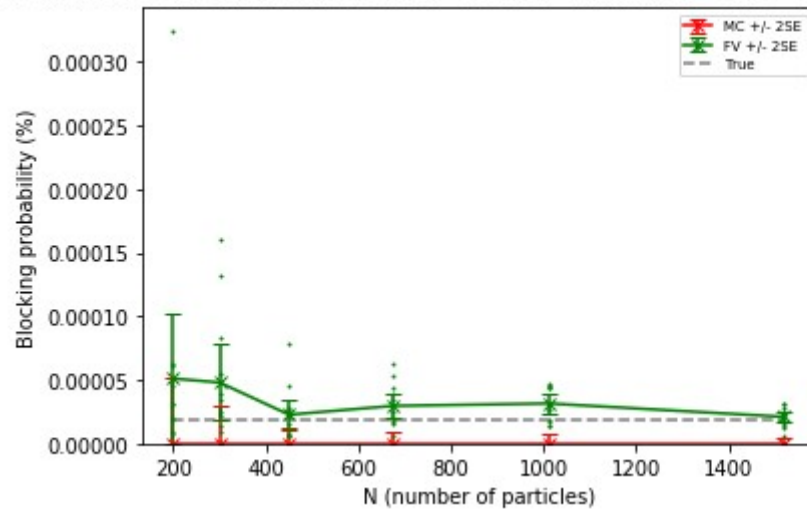
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=4179.3(n=1518), multiplier=1, seed=1728



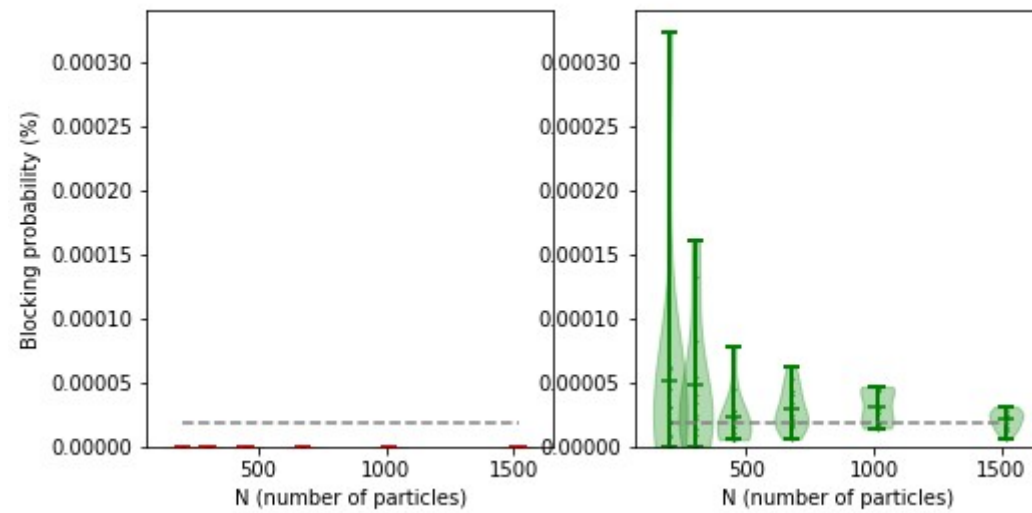
K=40, rhos=[0.7], N=1518, activation size=20, maxtime(1)=108428.6, maxtime(N)=71.4, mean_lifetime=3980.8(n=1518), multiplier=1, seed=1729



Simulation results for #servers=1, K=40, rhos=[0.7], ($200 \leq N \leq 1600$), $T \leq 71$



Simulation results for #servers=1, K=40, rhos=[0.7], ($200 \leq N \leq 1600$), $T \leq 71$



In [2]: