SPTF SCHEDULING PROJECT

# TRACK

1. Implement a M/G/1 system with a SPTF discipline where G is Uniform(0,L);
2. All input parameters must be NED parameters in omnetpp.ini;
3. Collect statistiucs on:
   1. Average queueing time;
   2. Average queueing time conditioned to the packet’s length;
   3. Average response time;
   4. Utilization factor of the server;
   5. Queue length over time.
4. Compare experimental and theoretical values of:
   1. Average conditional queueing time;
   2. Average response time;
   3. Utilization factor of the server.

Considerare che:

A = U(0,0.5)

B = U(0.1)

C = U(0,3)

# 1

Fatta nel progetto

# 2

TODO

# 3.1

A = queueingTime:mean (scalar) 0.125123

B = queueingTime:mean (scalar) 3.639803

C = queueingTime:mean (scalar) 11.625156

# 3.2

TODO

# 3.3

A = responseTime:mean (scalar) 0.372574

B = responseTime:mean (scalar) 4.130660

C = responseTime:mean (scalar) 12.485572

# 3.4

A = 0.489265

B = 0.970501

C = 1

# 3.5

Graph plotted in resources

# 4

TODO