

Part I

Monoserver Scheduling

FIFO

1.1 Implementation

1.2 Scheduling results

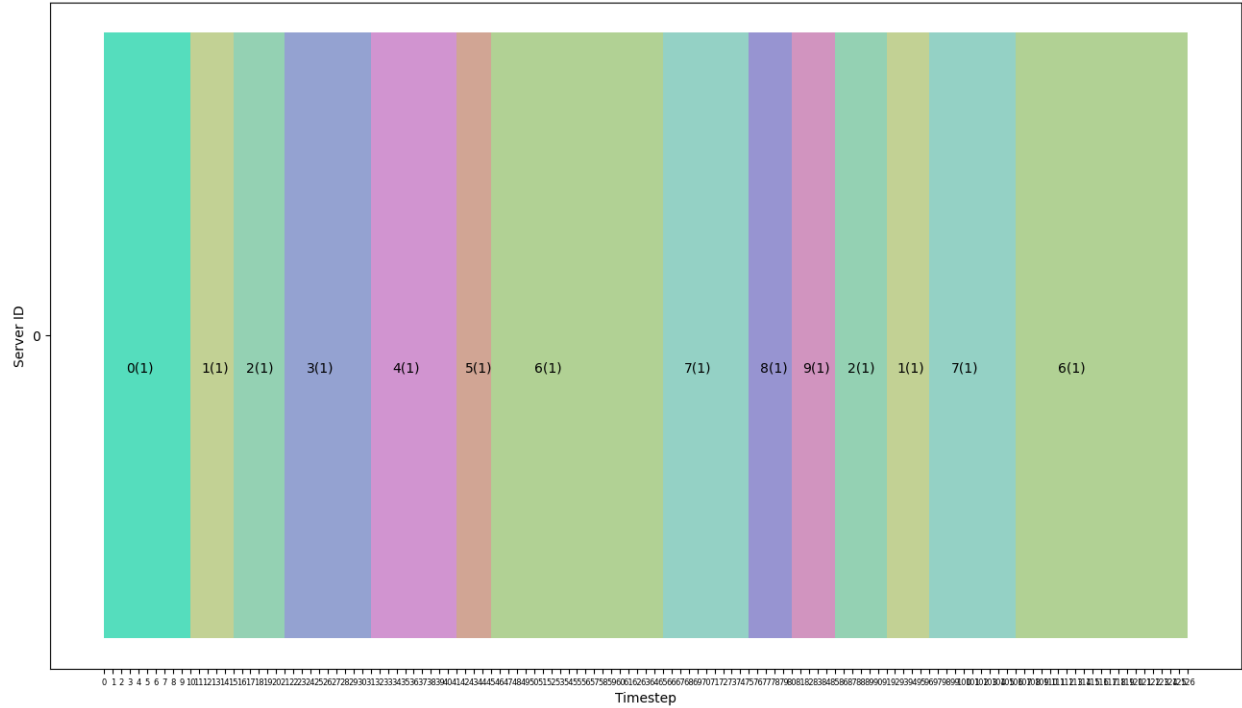


Figure 1: Output schedule produced by the FIFO scheduling algorithm on one server

Which corresponds to following file (<jobID, serverID, startDate, endDate, frequency>):

0	0	0.0	10.0	1.0
1	0	10.0	15.0	1.0
2	0	15.0	21.0	1.0
3	0	21.0	31.0	1.0
4	0	31.0	41.0	1.0
5	0	41.0	45.0	1.0
6	0	45.0	65.0	1.0
7	0	65.0	75.0	1.0
8	0	75.0	80.0	1.0
9	0	80.0	85.0	1.0
2	0	85.0	91.0	1.0
1	0	91.0	96.0	1.0
7	0	96.0	106.0	1.0
6	0	106.0	126.0	1.0

Listing 1: Detail of the scheduling result

1.3 Metrics

Round Robin

2.1 Implementation

2.2 Scheduling results

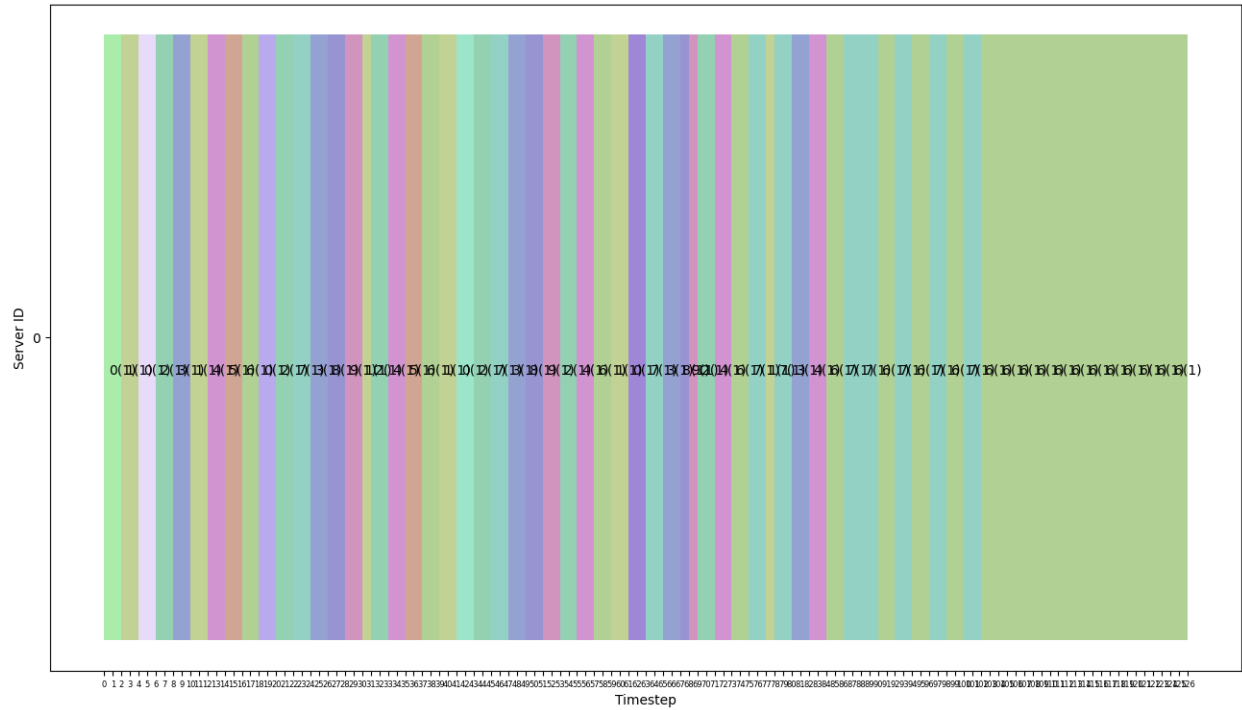


Figure 2: Output schedule produced by the Round Robin scheduling algorithm on one server

2.3 Metrics

EDF

3.1 Implementation

3.2 Scheduling results

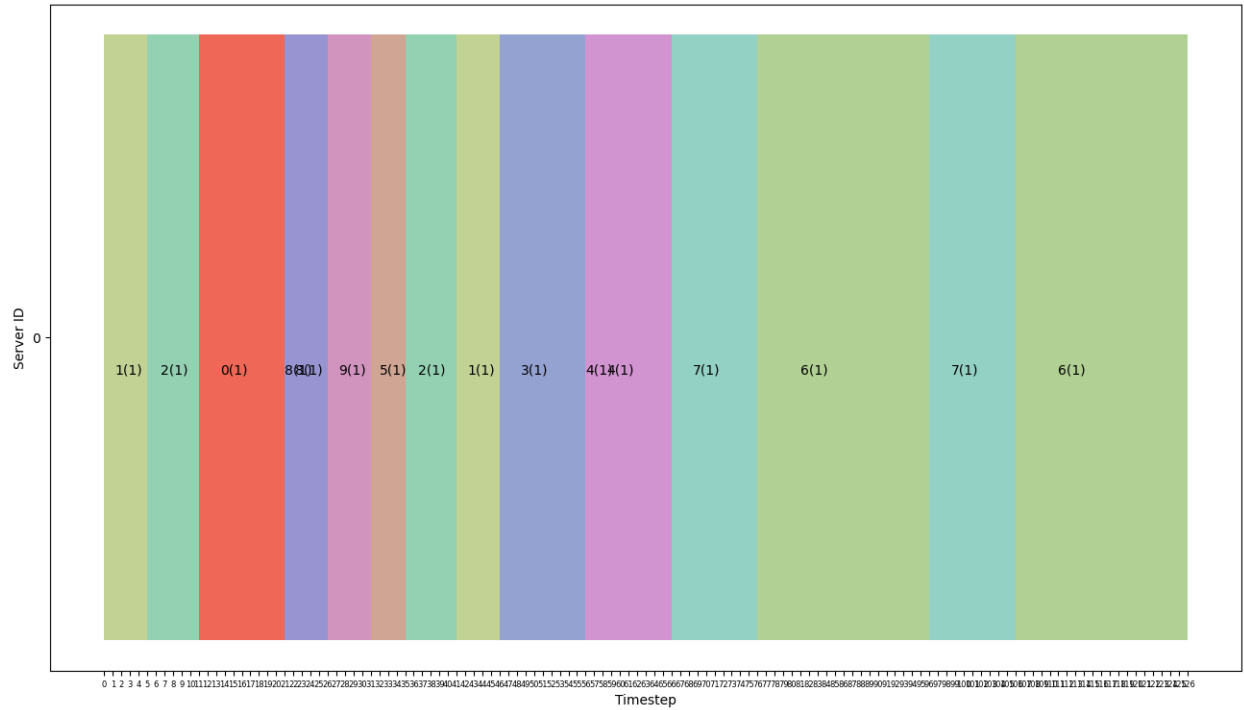


Figure 3: Output schedule produced by the EDF scheduling algorithm on one server

3.3 Metrics

RMS

4.1 Implementation

4.2 Scheduling results

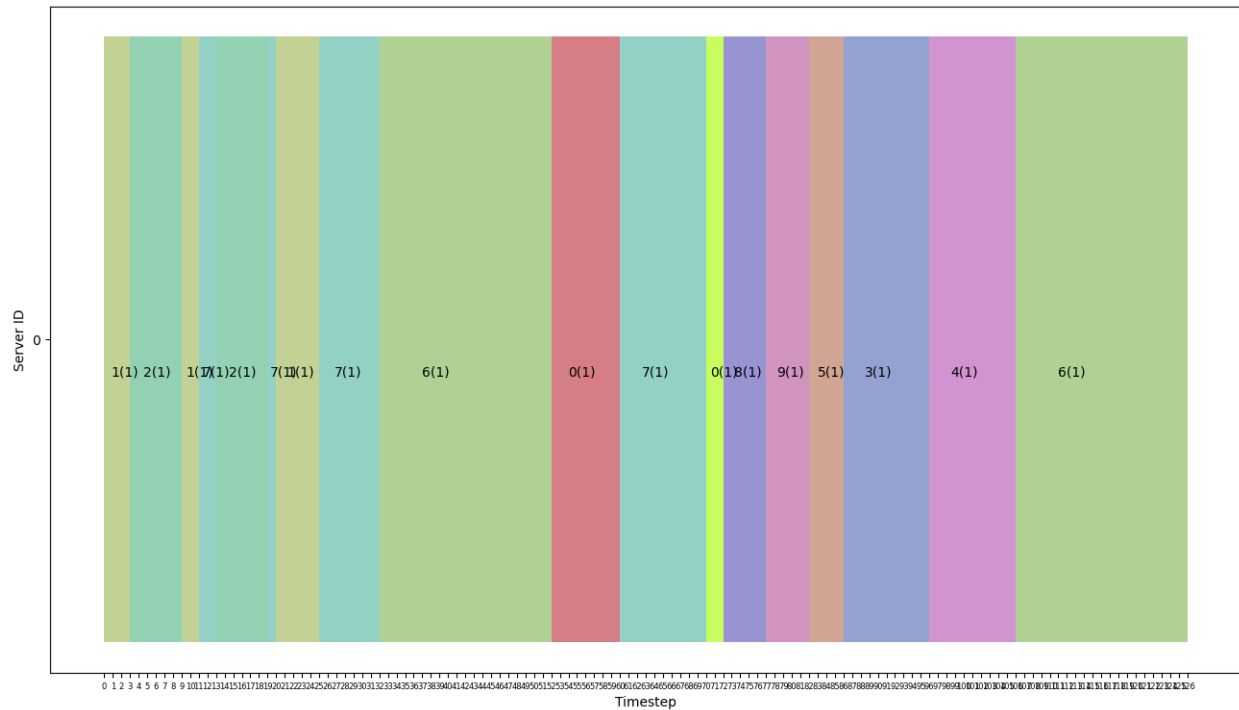


Figure 4: Output schedule produced by the RMS scheduling algorithm on one server

4.3 Metrics

Comparison Table