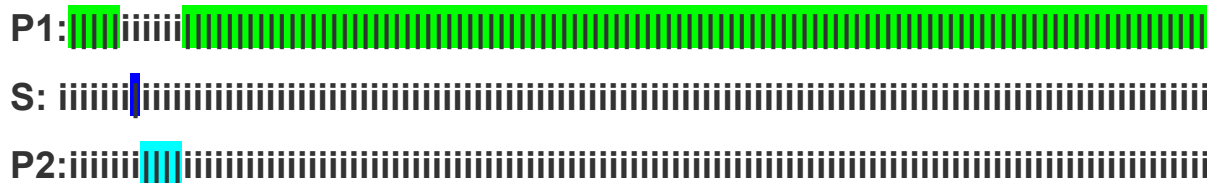


## Classwork 01 (02/18/2021)

Note: Submit the answer as a pdf document

- Two processes, p1 and p2 arrive at time 0 and start executing using RR scheduling. The total CPU time of p1 is 70 time units, and p2 is 10. The quantum is  $Q = 10$ . The context switching time, which follows every  $Q$ , is  $S = 1$ .



ct P2 is 21

ct P1 is 80 1

$TT = 21 - 0$

$TT = 81 - 0$

$102/2 = 51.5$  ATT

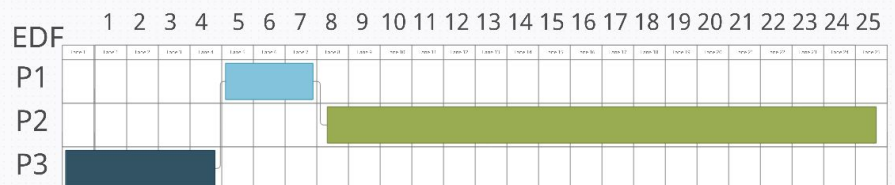
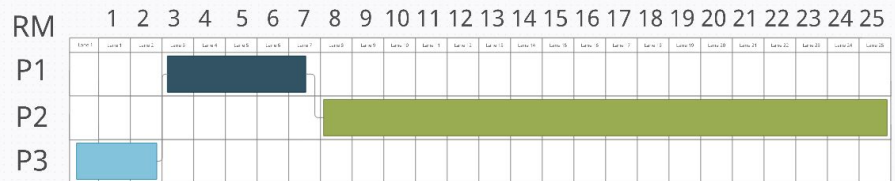
- Three periodic processes with the following characteristics are to be scheduled: T is the CPU Time and D is the period of the process.

Case 1	T	D	Case 2	T	D	Case 3	T	D
p1	3	50	p1	15	50	p1	5	20
p2	70	1000	p2	5	10	p2	7	10
p3	5	40	p3	1	4	p3	4	100

- RM
- EDF

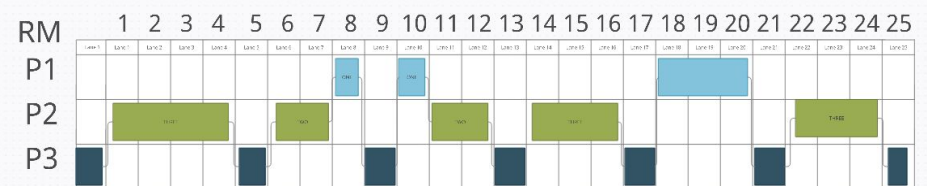
FEASIBLE = .255

FEASIBLE = .255

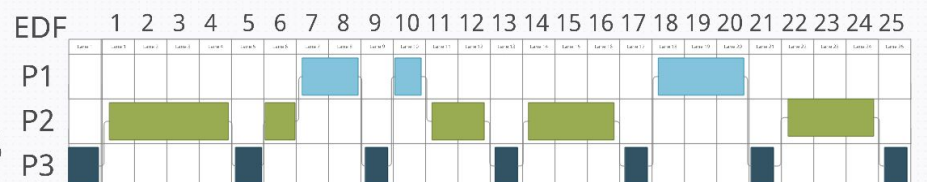


NOT  
FEASIBLE = 1.05

## CASE 2



NOT  
FEASIBLE = 1.05



NOT  
FEASIBLE = .99

## CASE 3

FEASIBLE = .99

