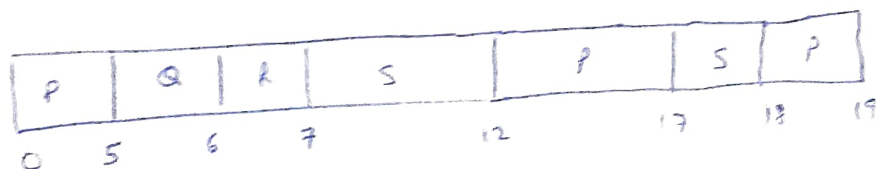


(a) Acc. to number of different context switchings order should be

P Q R S P S P

(a) For min TA time \Rightarrow

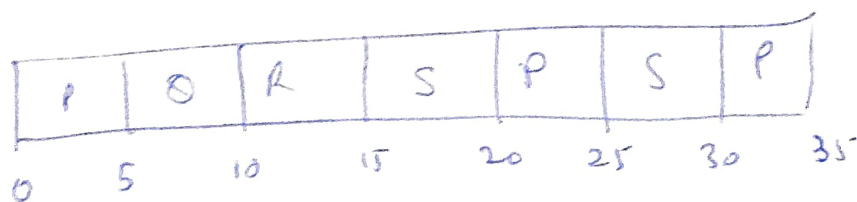
Process	Burst Time
P	11
Q	1
R	1
S	6



$$\text{Avg Turn Around time} = \frac{(19 + 6 + 7 + 18)}{4} = \frac{50}{4} = 12.5$$

(b) For max TA time

Process	Burst Time
P	15
Q	5
R	5
S	10



$$\text{Avg TA time} = \frac{(35 + 10 + 15 + 30)}{4} = \frac{90}{4} = 22.5$$