

1) Arrival time (A.T)

2) Waiting time (W.T)

3) Scheduling time (S.T)
4) Burst time (B.T)

5) Completion time (CT)

6) Turn fround Jime (TAT)=CT-AT

Waiting Jime = TAT - (BJ+JOBT)

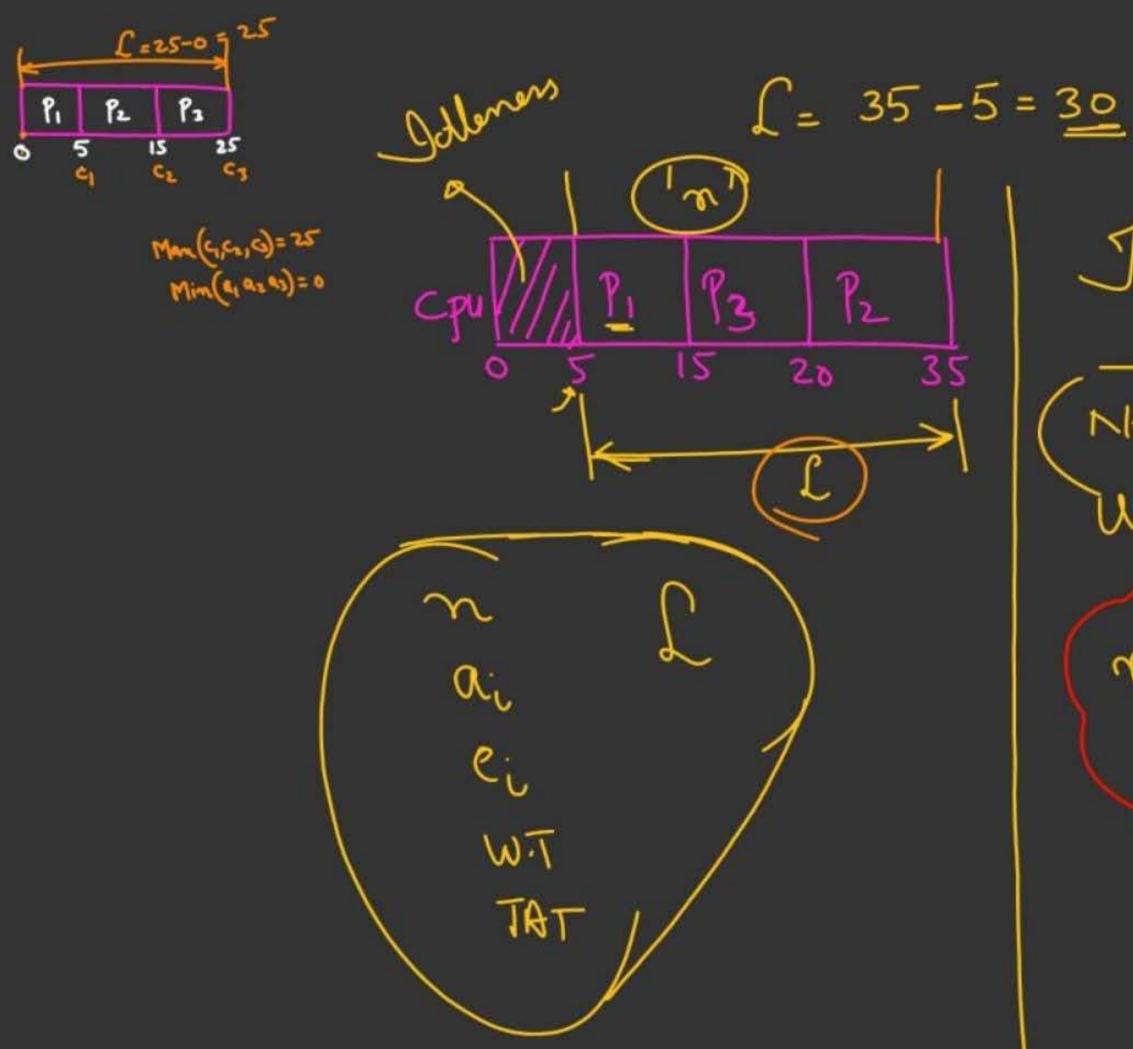
-> Total time Spent by Process in R.Q

3) WT (Pi) = 
$$(ci-ai) - (xi+yi)$$
  
4) Avg WT =  $\sum_{i=1}^{\infty} (ci-ai) - (xi+yi)$   
 $\sum_{i=1}^{\infty} (ci-ai) - (xi+yi)$ 

TAT(
$$Ri$$
)=  $Ci$ -  $ai$ 

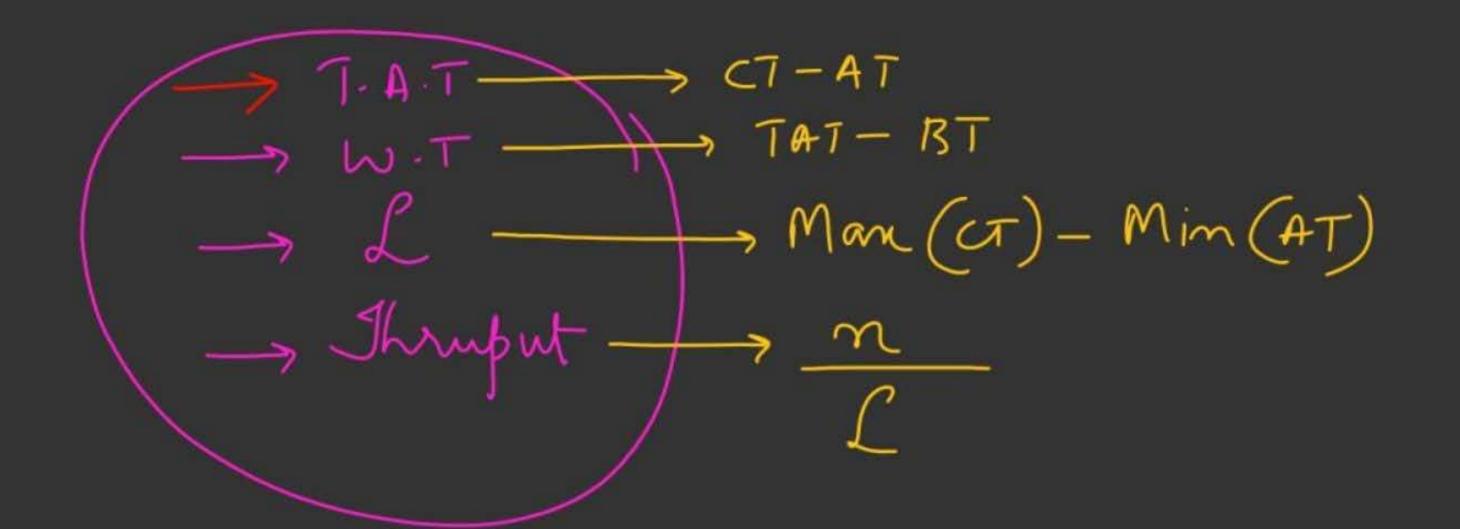
Avg. TAT =  $\sum_{i=1}^{\infty} (ci - ai)$ 

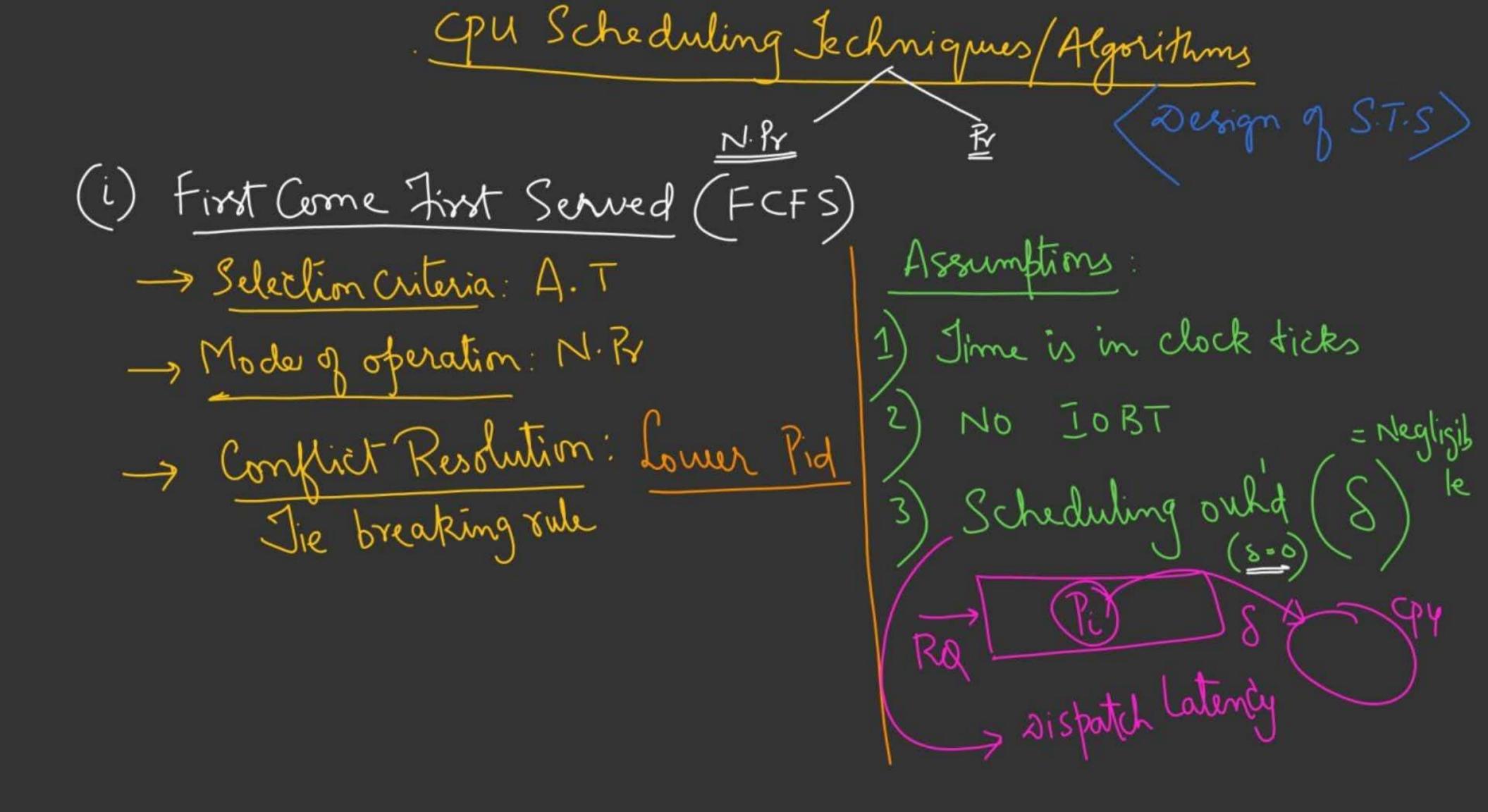
l = Total time taken to complete all'n' processes as per the Schedule; = (completion time of last hocas)



Thruput (n):

No. of Processes Completed Pen Unit - time;





$$\int_{Avg} = 15 - 0 = 15$$

$$Avg TAT = 51 = 10.2$$

Gantt Chart

Salaran 9 CP4
$$\mathcal{L} = 24 - 3 = 21$$
CP4
$$\mathcal{P}_{1} \qquad \mathcal{P}_{2} \qquad \mathcal{P}_{3} \qquad \mathcal{P}_{4} \qquad \mathcal{P}_{5} \qquad \mathcal{P}_{6}$$
CP4
$$\mathcal{P}_{1} \qquad \mathcal{P}_{2} \qquad \mathcal{P}_{3} \qquad \mathcal{P}_{4} \qquad \mathcal{P}_{5} \qquad \mathcal{P}_{6}$$
An. TAT = 
$$(2 + 4 + 8 + 10 + 12 + 14) = \frac{50}{6}$$

$$= 8.33$$
An. W.T = 
$$0 + 0 + 3 + 8 + 9 + 10 = \frac{30}{6} = \cancel{5}$$

$$\frac{1}{2} \frac{1}{2} = \frac{1}{21}$$

$$= \left(\frac{1}{21}\right) *100 = \left(\frac{1}{4.7}\right)$$

FCFS with non-negligible Scheduling ouhd S=1 = Scheduling ovhor S= 1 umt W.T=TAT-(BT+8) 3-2= WI W.T= Time Spent by the

$$S = \frac{1}{2}$$

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