

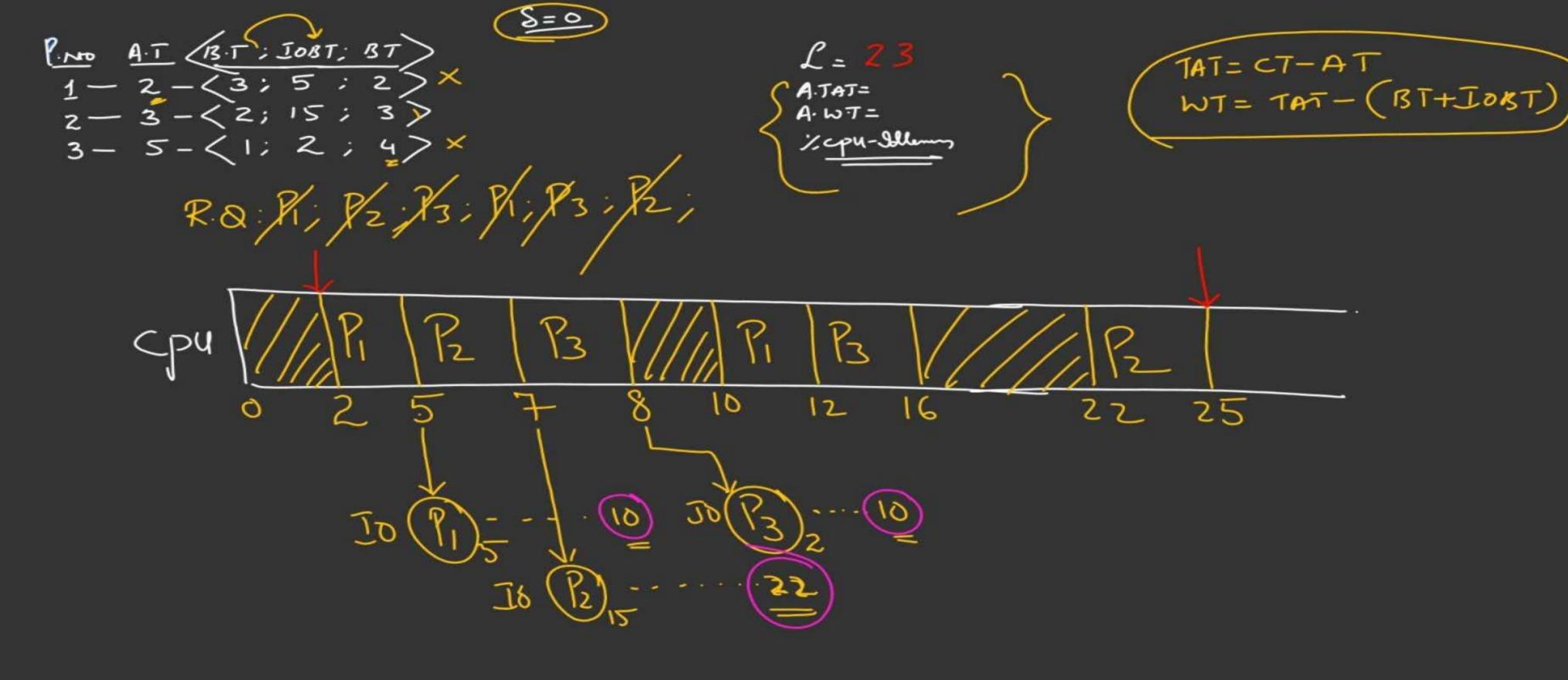
$$WI = TAT - (BI + IOBI + 8)$$

 $P_1 = 12 - (10 + 2)$

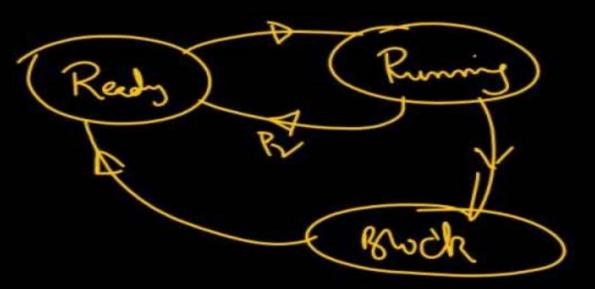
$$P_1 = 12 - (10 + 2)$$

$$= 9$$

$$P_2 = 18 - (14+2)$$



- Q.1
- Consider the following statements about process state transitions for a system using preemptive scheduling
 I. A running process can move to ready state
 II. A ready process can move to running state
 III. A blocked process can move to running state ×
 IV. A blocked process can move to ready state.
 Which of the above statements are TRUE?
- A I, II and IV only
- B I, II, III and IV
- C I, II and III only
- D II and III only



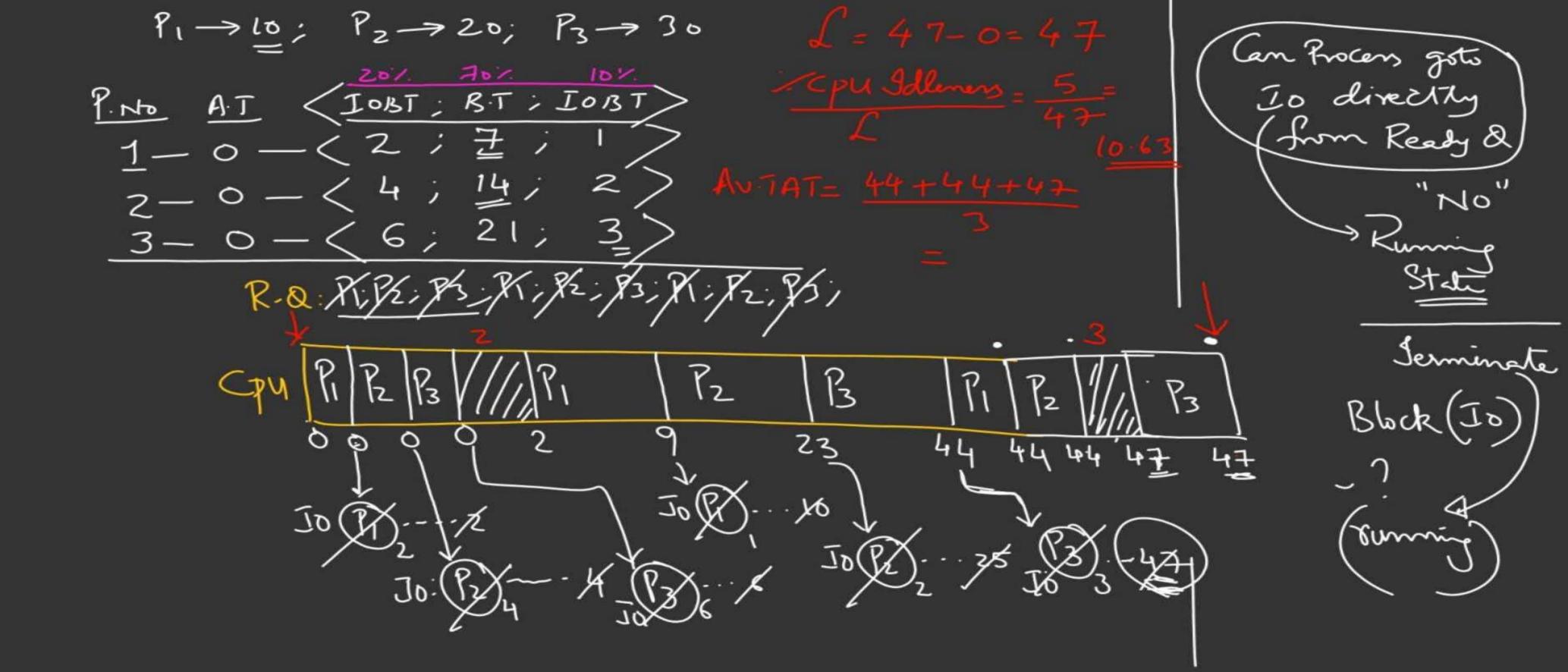
Consider three Processes P_1 , P_2 , P_3 arriving in the Ready Queue at time 0 in the order P_1 , P_2 , P_3 . Their service time r_{11} requirements are 10,20&30 units respectively. Each Process spends 20% of its Service time on I/O followed by 70% of its Service time on Computation at CPU and last 10% on IOO before completion. Assuming Concurrent I/O and negligible Scheduling

Assuming Concurrent I/O and negligible Scheduling Overhead. Calculate for FCFS Scheduling

(i) Average TAT of Processes

(ii) % CPU idleness

Sohn The Question arranging 8=1



System has only one To-service for all Processes; 8=1 $\frac{A\cdot T}{O} \leq \frac{BT \cdot JoBT \cdot BT}{3 \cdot 8 \cdot 3}$ 2-2 (4; 7; 2) R.Q.K; R.J.