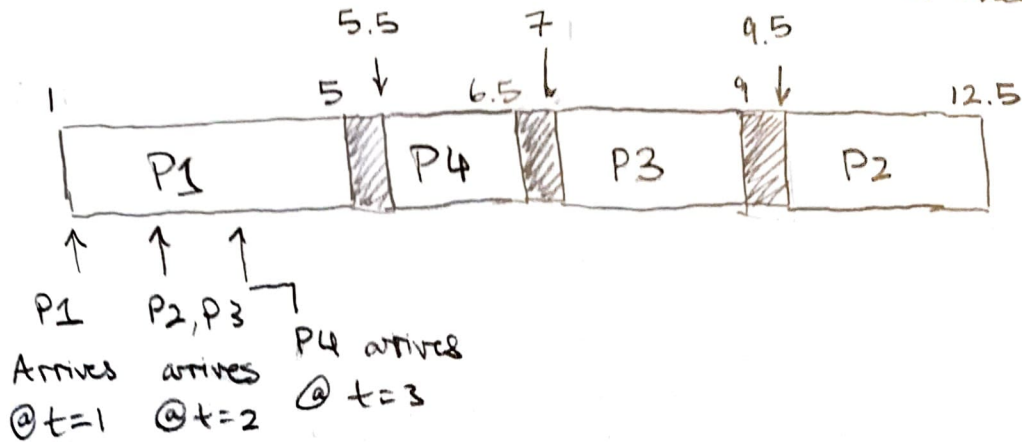


36. a. SRTF (Non-preemptive)

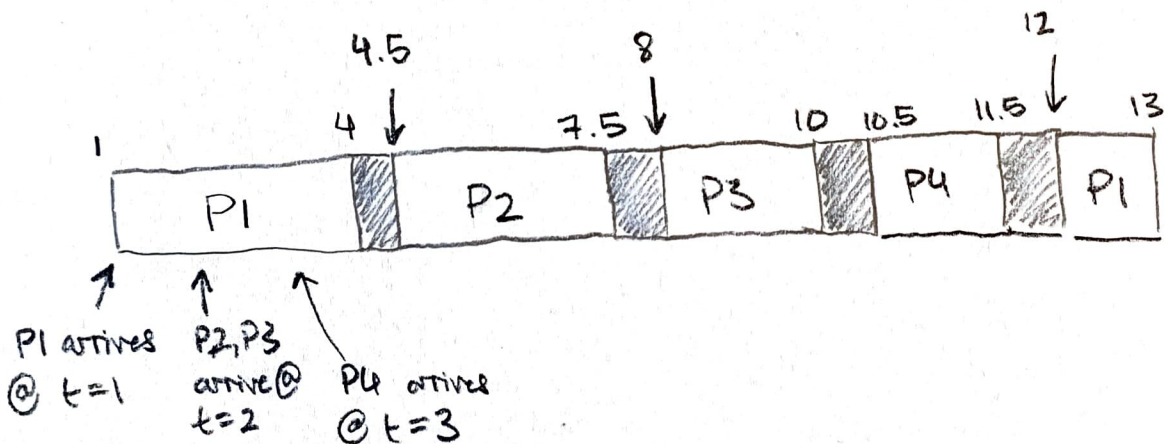
▨ - Context Switch overhead



$$ART = [(5-1) + (12.5-2) + (9-2) + (6.5-3)] / 4$$

$$= [4 + 10.5 + 7 + 3.5] / 4 = [25] / 4 = 6.25s$$

b. Round Robin (TQ = 3s)



$$ART = [(13-1) + (7.5-2) + (10-2) + (11.5-3)] / 4$$

$$= [12 + 5.5 + 8 + 8.5] / 4 = 8.5s$$