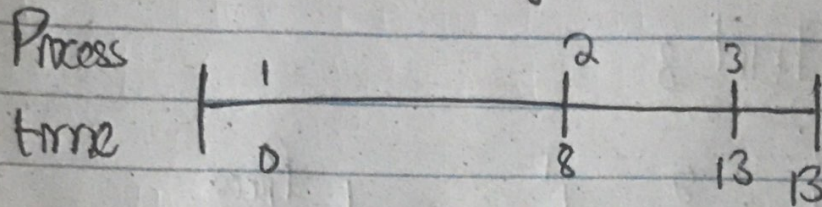


①

(a) FCFS scheduling :



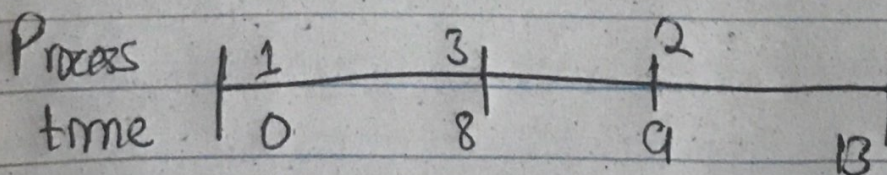
Average turn around time :

$$TAT(AVG) = ((8-0) + (13-8) + (13-13)) / 3$$

$$TAT(AVG) = 10.53$$

(b) SJF Scheduling :

Gantt Chart :



Average turn around time :

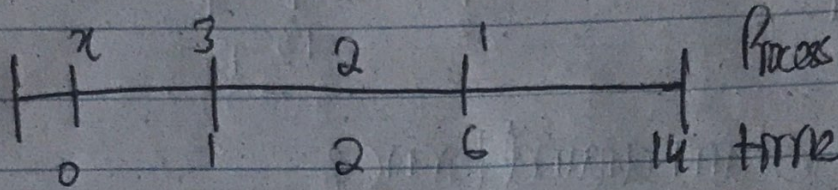
$$TAT(AVG) = ((8-0) + (13-8-9) + (9-9)) / 3$$

$$TAT(AVG) = 9.53$$

2

(c)

Gantt Chart 8



$$\overline{TAT (AVG)} = ((14-0) + (6-4) + (2-1)) / 3$$

$$\boxed{\overline{TAT (AVG)} = 6.87}$$