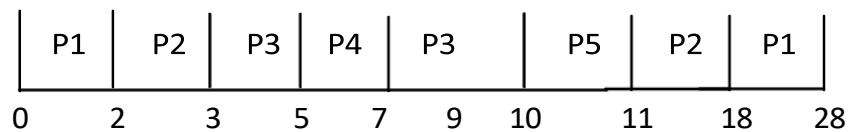


A. Membuat 2 contoh perhitungan Algoritma SJF Preemptive

1.

PROSES	AT	BT
P1	0	12
P2	2	8
P3	3	5
P4	5	2
P5	9	1

Gantt chart



SISA : P1(10); P2(7); P3(3);

Kemudian eksekusi yang terkecil yaitu P3

SISA : P1(10); P2(7); P5(1);

Kemudian eksekusi lagi yang terkecil yaitu P5

SISA : P1(10); P2(7);

Kemudian eksekusi lagi yaitu P2

SISA : P1(10);

Dan terakhir eksekusi yaitu P1

WT =

$$P1 = 0 + (18 - 2) = 16$$

$$P2 = 0 + (11 - 3) = 8$$

$$P3 = 0 + (7 - 5) = 2$$

$$P4 = 0$$

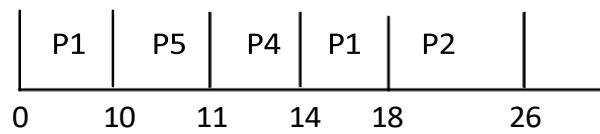
$$P5 = 9 - 10 = 1$$

$$AWT = 16 + 8 + 2 + 0 + 1 = 27 / 5 = 5,4 \text{ms}$$

2.

PROSES	AT	BT	TURNAROUND (F-AT)
P1	0	10	10
P2	3	8	23
P3	6	4	12
P4	8	3	6
P5	9	1	2

Gantt chart



WT = TURNAROUND-BT

$$P1 = 10 - 10 = 0$$

$$P2 = 23 - 8 = 15$$

$$P3 = 12 - 4 = 8$$

$$P4 = 6 - 3 = 3$$

$$P5 = 2 - 1 = 1$$

$$AWT = (0 + 15 + 8 + 3 + 1) / 5 = 27 / 5 = 5,4 \text{ms}$$