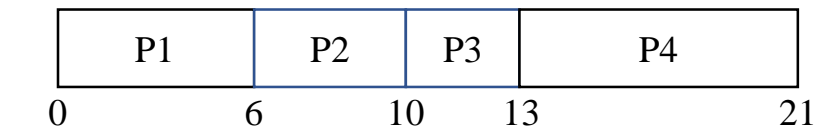


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A11.2021.13550
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Sistem Operasi

Proses	Burst Time	Waktu Kedatangan	Priority	Quantum Time
P1	6	0	3	4
P2	4	1	4	
P3	3	3	1	
P4	8	6	2	

HRN – Gantt Chart



I

$$P2 = \frac{(6-1)+4}{4} = \mathbf{2.25}$$
$$P3 = \frac{(6-3)+3}{3} = 2$$
$$P4 = \frac{(6-6)+8}{8} = 1$$

II

$$P3 = \frac{(10-3)+3}{3} = \mathbf{3.33}$$
$$P4 = \frac{(10-6)+8}{8} = 1.5$$

HRN – Average Waiting Time

$WT = (0 - 0) + (6 - 1) + (10 - 3) + (13 - 6) = 0 + 5 + 7 + 7 = 19$

$AWT = \frac{19}{4} = 4.75$

HRN – Average Turn Around Time

$TAT = (6 - 0) + (10 - 1) + (13 - 3) + (21 - 6) = 6 + 9 + 10 + 15 = 40$

$ATAT = \frac{40}{4} = 10$