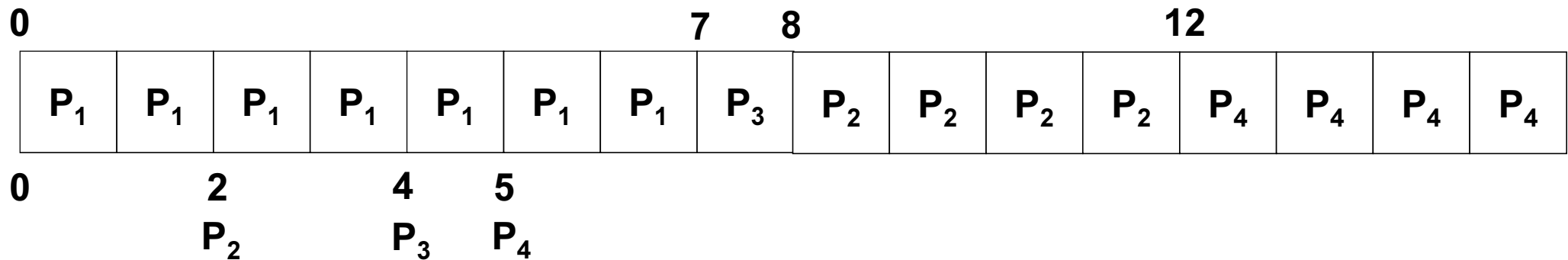




# SJF (without preemption)

Process	Arrival	CPU burst
P1	0	7
P2	2	4
P3	4	1
P4	5	4



**Average waiting time**  $[0 + (8-2) + (7-4) + (12-5)] / 4 = 16 / 4 = 4$

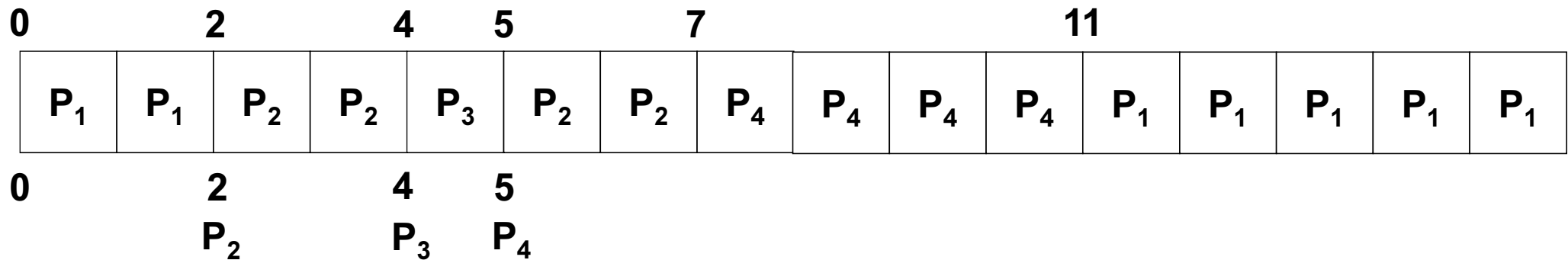
**Average turnaround time**  $[7 + (12-2) + (8-4) + (16-5)] / 4 = 32 / 4 = 8$





# SRT (with preemption)

Process	Arrival	CPU burst
P1	0	7
P2	2	4
P3	4	1
P4	5	4



**Average waiting time**  $[9 + (3-2) + (4-4) + (7-5)] / 4 = 12 / 4 = 3$

**Average turnaround time**  $[16 + 5 + 1 + 6] / 4 = 28 / 4 = 7$

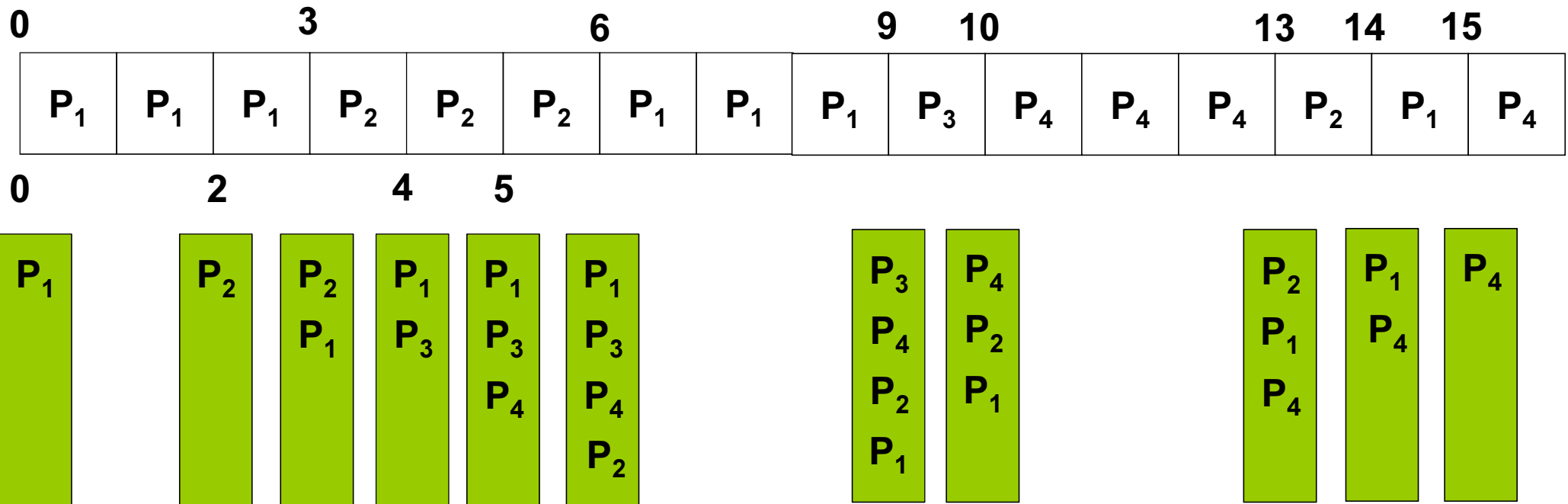




# RR with different arrival times

Process	Arrival	CPU burst
P1	0	7
P2	2	4
P3	4	1
P4	5	4

**Time quantum = 3**



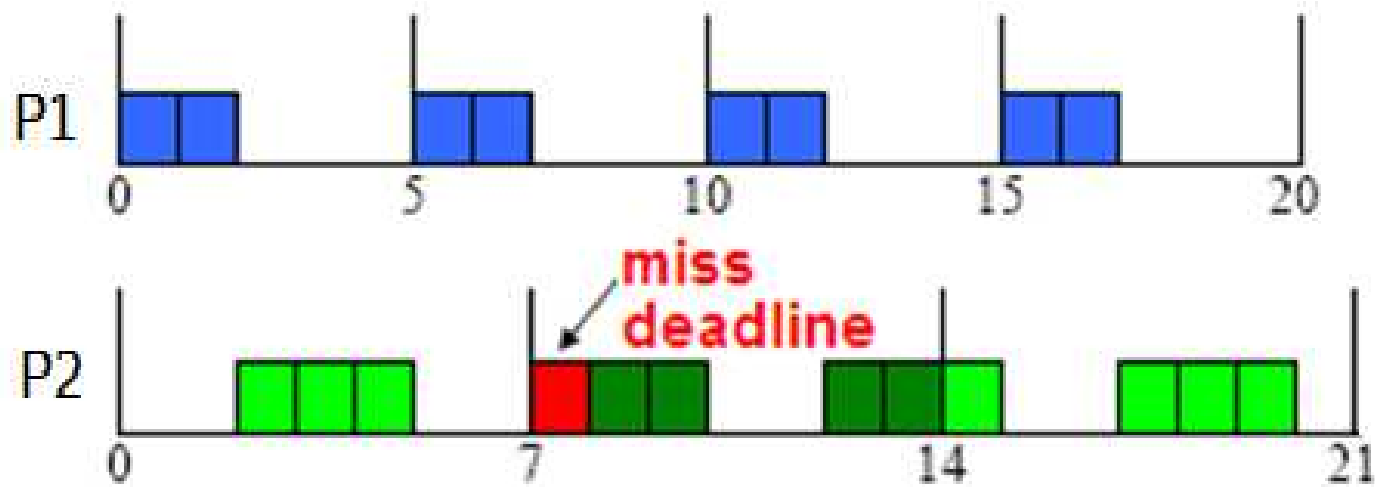
**Average waiting time**  $[8 + (10-2) + (9-4) + (12-5)] / 4 = 28 / 4 = 7$





# RMS

Process	t (processing time)	d (deadline)	p (period)
P1	2	5	5
P2	4	7	7





# EDF

Process	t (processing time)	d (deadline)	p (period)
P1	2	5	5
P2	4	7	7

