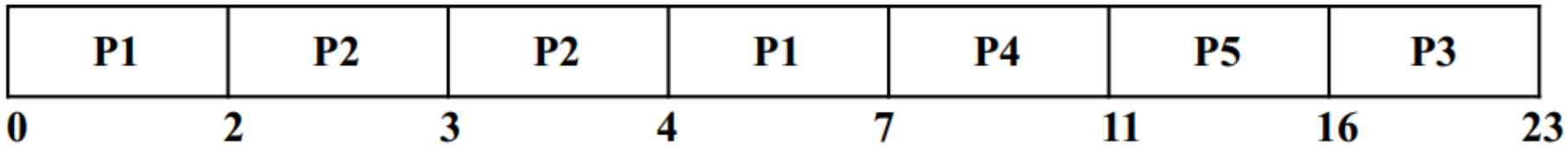
Shortest Job First (SJF)

Process	Arrival Time	Burst Time
P1	0	5
P2	2	2
P3	3	7
P4	4	4
P5	5	5

Shortest Job First (SJF)

Process	Arrival Time	Burst Time
P1	0	5
P2	2	2
P3	3	7
P4	4	4
P5	5	5



Shortest Job First (SJF)

Process	Arrival (AT)	Burst (BT)	Completion (CT)	Turnaround (TT = CT–AT)	Waiting (WT = TT–BT)
P1	0	5	7	7 − 0 = 7	7 − 5 = 2
P2	2	2	4	4 − 2 = 2	2 − 2 = 0
P3	3	7	23	23 − 3 = 20	20 − 7 = 13
P4	4	4	11	11 − 4 = 7	7 − 4 = 3
P5	5	5	16	16 − 5 = 11	11 − 5 = 6

Average Turnaround Time = (7+2+20+7+11) / 5 = 9.4

Average Waiting Time = (2+0+13+3+6) / 5 = 4.8

Round Robin

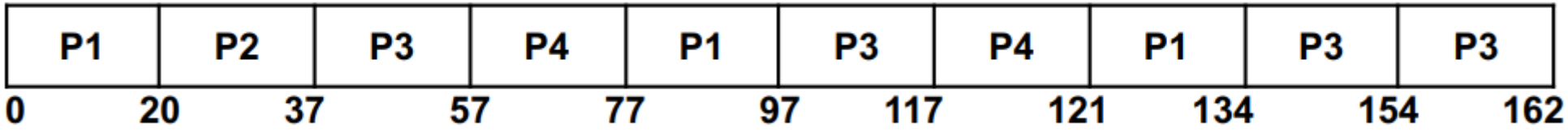
Time Quantum = 20 ms

Process	Burst Time
P1	53
P2	17
P3	68
P4	24

Round Robin

Time Quantum = 20 ms

Process	Burst Time
P1	53
P2	17
P3	68
P4	24



Round Robin

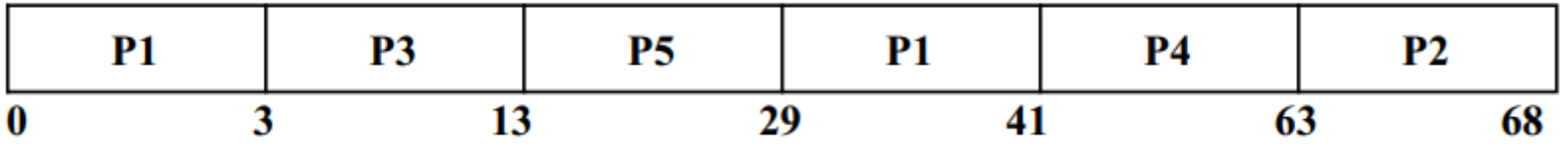
Proc	BT	CT	TT = CT–AT	WT = TT–BT
P1	53	134	134 – 0 = 134	134 – 53 = 81
P2	17	37	37 – 0 = 37	37 – 17 = 20
P3	68	162	162 – 0 = 162	162 – 68 = 94
P4	24	121	121 – 0 = 121	121 – 24 = 97

Priority Scheduling

Process	Arrival Time	Burst Time	Priority
P1	0	15	2
P2	14	5	4
P3	3	10	0
P4	9	22	3
P5	7	16	1

Priority Scheduling

Process	Arrival Time	Burst Time	Priority
P1	0	15	2
P2	14	5	4
P3	3	10	0
P4	9	22	3
P5	7	16	1



Priority Scheduling

Proc	AT	BT	CT	TT = CT–AT	WT = TT–BT
P1	0	15	15	15 – 0 = 15	15 – 15 = 0
P2	14	5	68	68 – 14 = 54	54 – 5 = 49
P3	3	10	25	25 – 3 = 22	22 – 10 = 12
P4	9	22	63	63 – 9 = 54	54 – 22 = 32
P5	7	16	41	41 – 7 = 34	34 – 16 = 18