TUGAS PENJADWALAN SISTEM OPERASI

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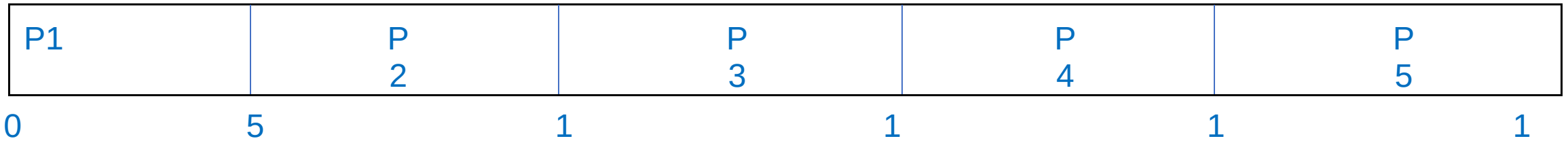
FCFS-FIRST COME FIRST SERVE

Pno	AT	BT	CT	TAT	WT	RT
P1	0	5	5	5	0	0
P2	1	7	12	11	4	4
P3	2	1	13	11	10	10
P4	3	2	15	12	10	10
P5	4	3	18	14	11	11

Average TAT : $\frac{5+11+11+12+14}{5}$ = 10,6

Average WT : $\frac{0+4+10+10+11}{5}$ = 7



SJF-SHORTEST JOB FIRST

Pno	AT	BT	CT	TAT	WT	RT
P1	1	7	7	6	-1	0
P2	2	5	15	13	8	8
P3	3	1	8	5	4	4
P4	4	2	10	6	4	4
P5	5	8	23	18	10	10

Average TAT: $\frac{6+13+5+6+18}{5} = 9{,}6$

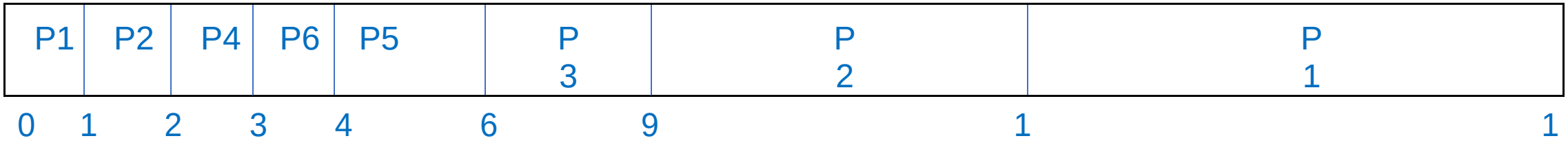
Average WT: $\frac{-1+8+4+4+10}{5} = 5$

SRTF-SHORTEST REMAINING TIME FIRST

Pno	AT	BT	CT	TAT	WT	RT
P1	0	7	19	19	12	0
P2	1	5	13	12	7	0
P3	2	3	9	7	4	4
P4	3	1	3	0	1	1
P5	4	2	6	2	0	0
P6	5	1	4	1	0	2

Average TAT: $\frac{19+12+7+0+2+1}{6} = 6,8$

Average WT: $\frac{12+7+4+1+0+0}{6} = 4$

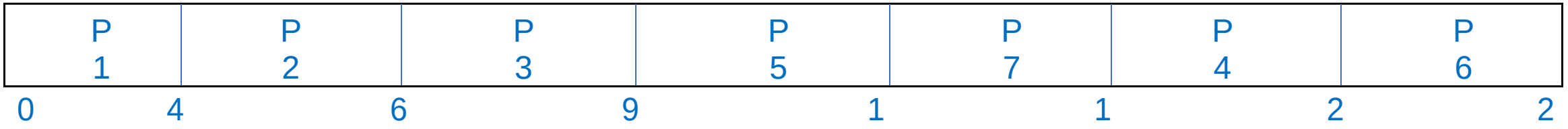


PRIORITY SCHEDULING-NONPREEMPTIVE

Pno	Priority	AT	BT	CT	TAT	WT	RT
P1	7	0	4	4	4	0	0
P2	6	1	2	6	5	3	3
P3	5	2	3	9	7	4	4
P4	2	3	5	21	18	13	13
P5	4	4	1	10	6	5	5
P6	1	5	4	25	20	16	16
P7	3	6	6	16	10	4	4

Average TAT: $\frac{4+5+7+18+6+20+10}{7} = 10$

Average WT: $\frac{0+3+4+13+5+16+4}{7} = 6,4$

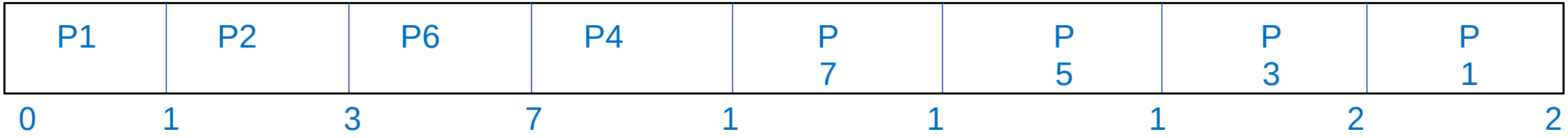


PRIORITY SCHEDULING-PREEMPTIVE

Pno	Priority	AT	BT	CT	TAT	WT	RT
P1	7	0	4	25	25	21	0
P2	6	1	2	3	2	0	0
P3	5	2	3	22	20	17	17
P4	2	3	5	12	9	4	4
P5	4	4	1	19	15	14	14
P6	1	5	4	7	2	-2	-2
P7	3	6	6	18	12	6	6

Average TAT: $\frac{25+2+20+9+15+2+12}{7} = 12,14$

Average WT: $\frac{21+0+17+4+14+-2+6}{7} = 8,57$



0 1 3 7 1 1 1 2 2