Q1 **MLFQ**

	AT	BT
P1	0	6
P2	1	4
P3	2	8
P4	3	4

3 Queues

Q1, RR tq = 2ms

Q2, RR, tq = 4ms

Q3, FCFS

		t=0	t=1	t=2	t=3
					P4 4
				P3 8	↓
		P1 6	P2 4	↓	P4 4/2
2ms	Q1	↓	↓	P3 8/6	
4ms	Q2	P1 6/4	P2 4/2	↓	
				P3 8/2	
	Q3				

Gantt Chart —

P1	P2	P3	P4	P1	P2	P3	P4	P3

0   2   4   6   8   12   14   18   20   22
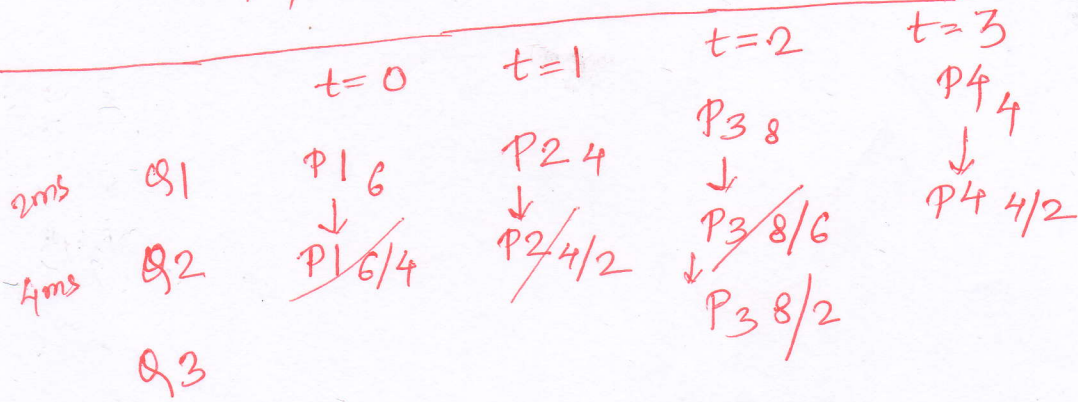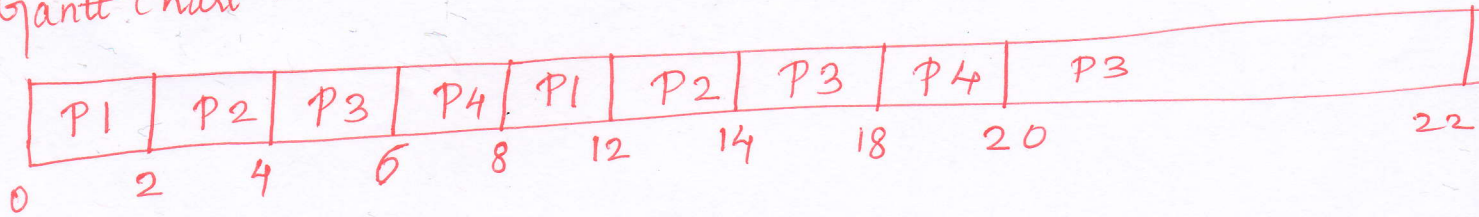
Q2 / MLFQ

3 Queues

$Q1 = 1\,ms, \quad Q2 = 2\,ms, \quad Q3 = 4\,ms$

		t=0	t=1	t=2	t=3

$t=0$ $t=1$ $t=2$ $t=3$

                         P2 4   P3 8   P4 4

1ms   Q1   P1 6   ↓   ↓   ↓

              ↓

2ms   Q2   P1 6/5   P2 4/3   P3 8/7   P4 4/3

             ↓   ↓   ↓   ↓

4ms   Q3   P1 6/3   P2 4/1   P3 8/5   P4 4/1

                                 P3 8/1

P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P3

0   1   2   3   4   6   8   10   12   15   16   20   21   22