CPU Scheduling
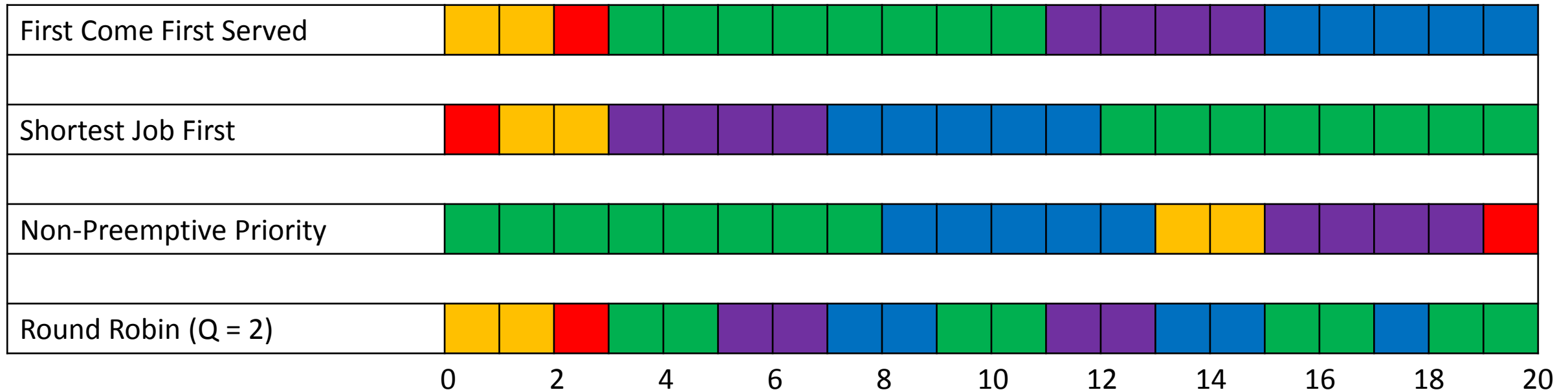
Discussion 5 – Question 3

Q3. CPU Scheduling

Process	Burst Time	Priority
P1	2	2
P2	1	1
P3	8	4
P4	4	2
P5	5	3
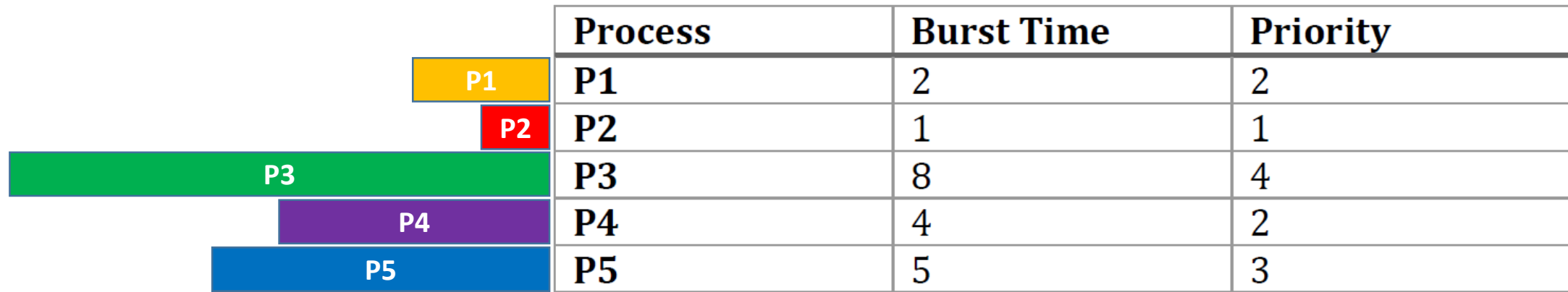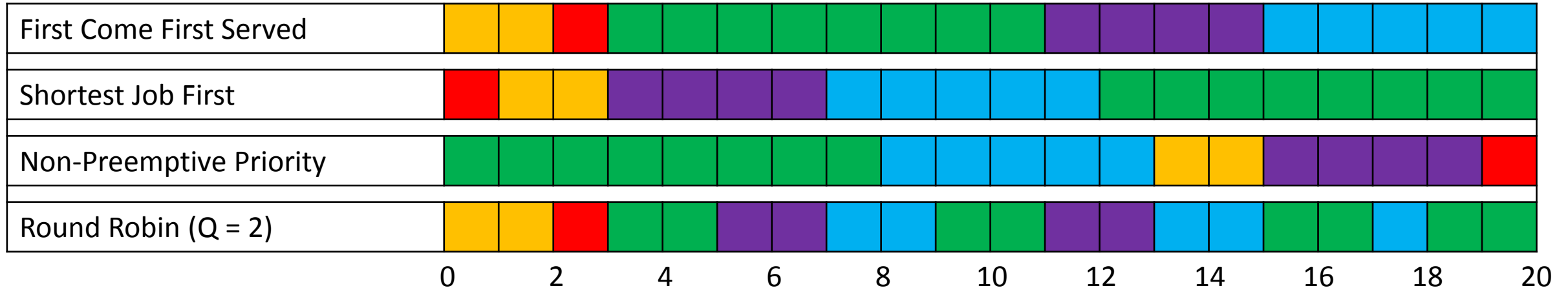
Q3. CPU Scheduling

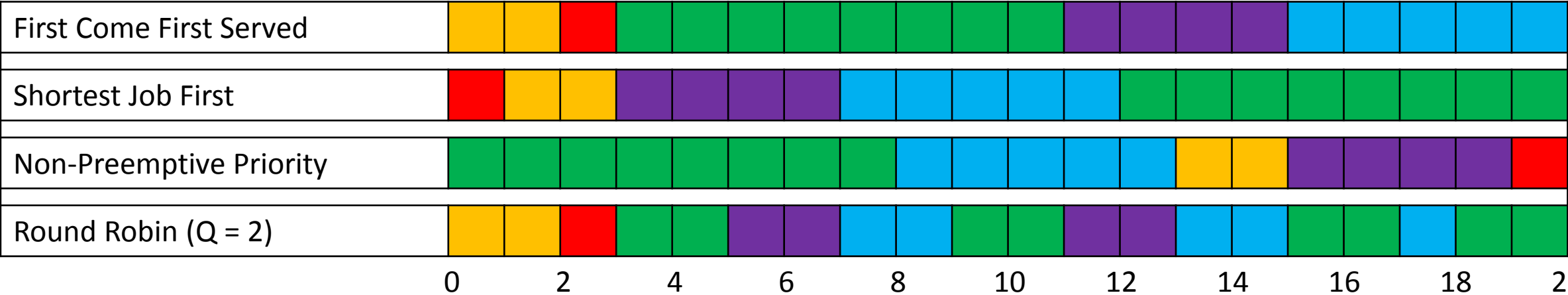| Turnaround Time	P1	P2	P3	P4	P5
First Come First Served	2	3	11	15	20
Shortest Job First	3	1	20	7	12
Non-Preemptive Priority	15	20	8	19	13
Round Robin (Q = 2)	2	3	20	13	18

Q3. CPU Scheduling

Waiting Time	P1 [2]	P2 [1]	P3 [8]	P4 [4]	P5 [5]	Average
First Come First Served	2-2=0	3-1=2	11-8=3	15-4=11	20-5=15	**6.2**
Shortest Job First	3-2=1	1-1=0	20-8=12	7-4=3	12-5=7	*4.2*
Non-Preemptive Priority	15-2=13	20-1=19	8-8=0	19-4=15	13-5=8	**11**
Round Robin (Q = 2)	2-2=0	3-1=2	20-8=12	13-4=9	18-5=13	**7.2**