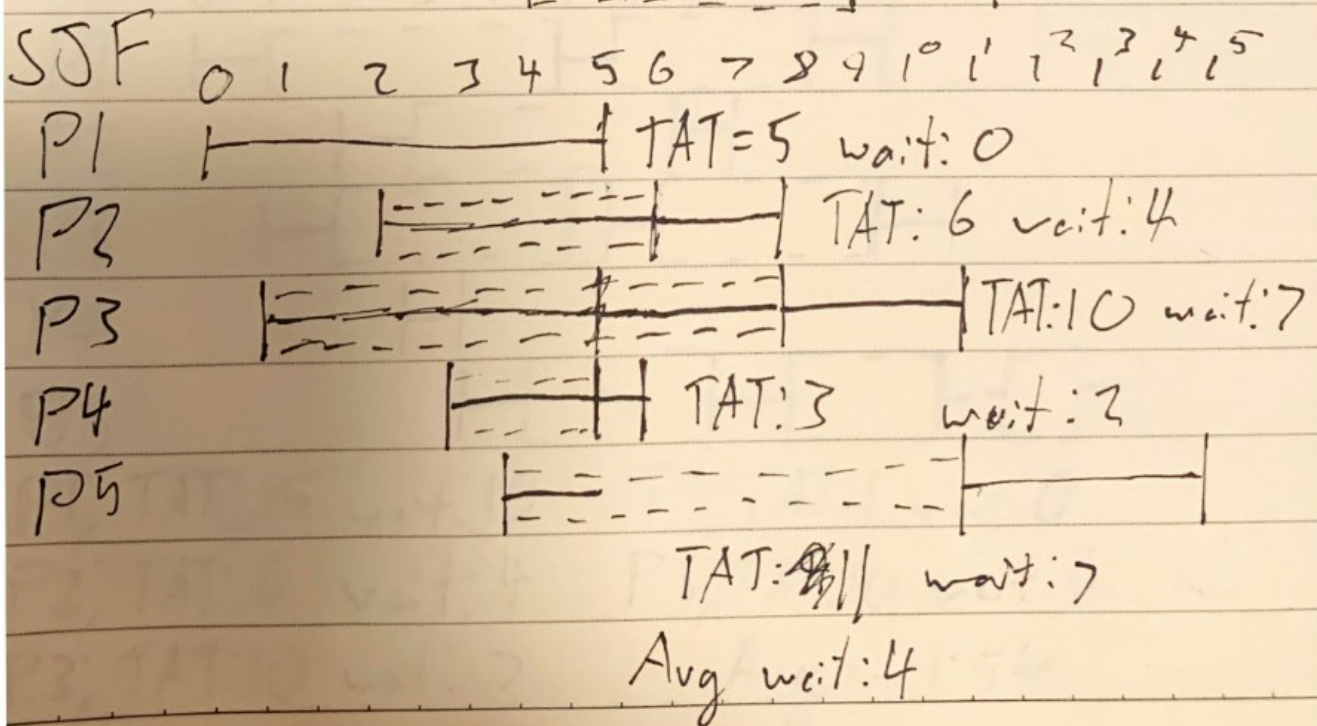
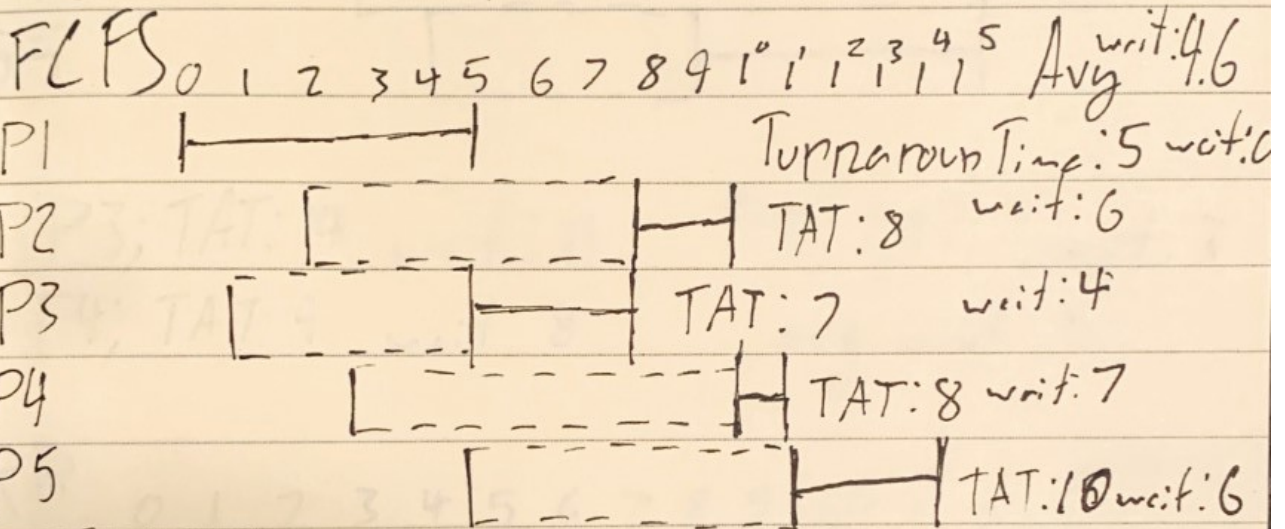


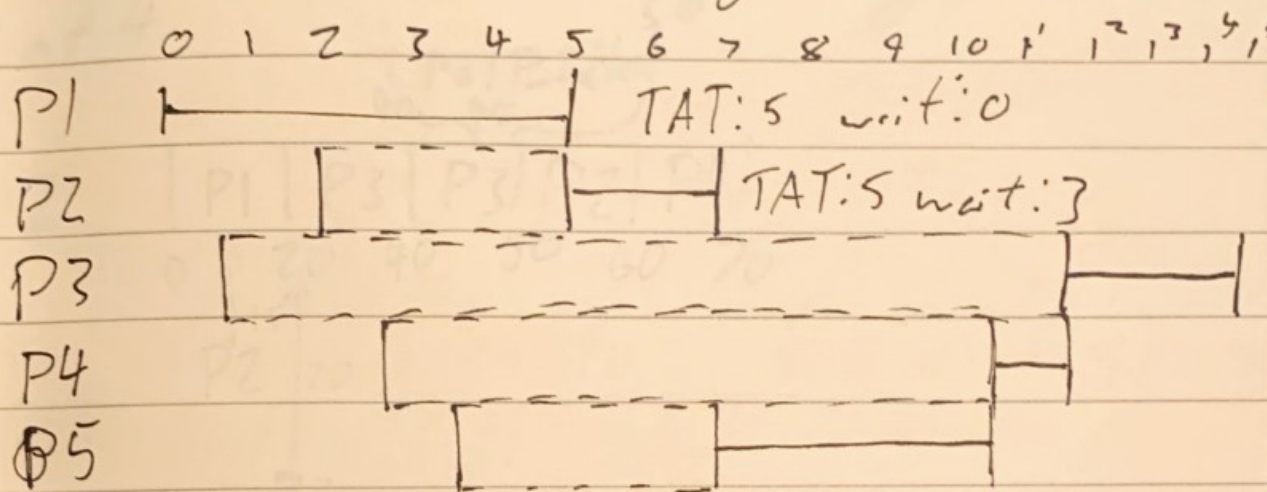
Process	AT	BT	Priority
P1	0	5	3
P2	2	2	1
P3	1	3	5
P4	3	1	4
P5	4	4	2



P1:5 P2:2 P3:3 P4:1
P5:4

Memo No. _____
Date 1 / 1

non-preemptive priority

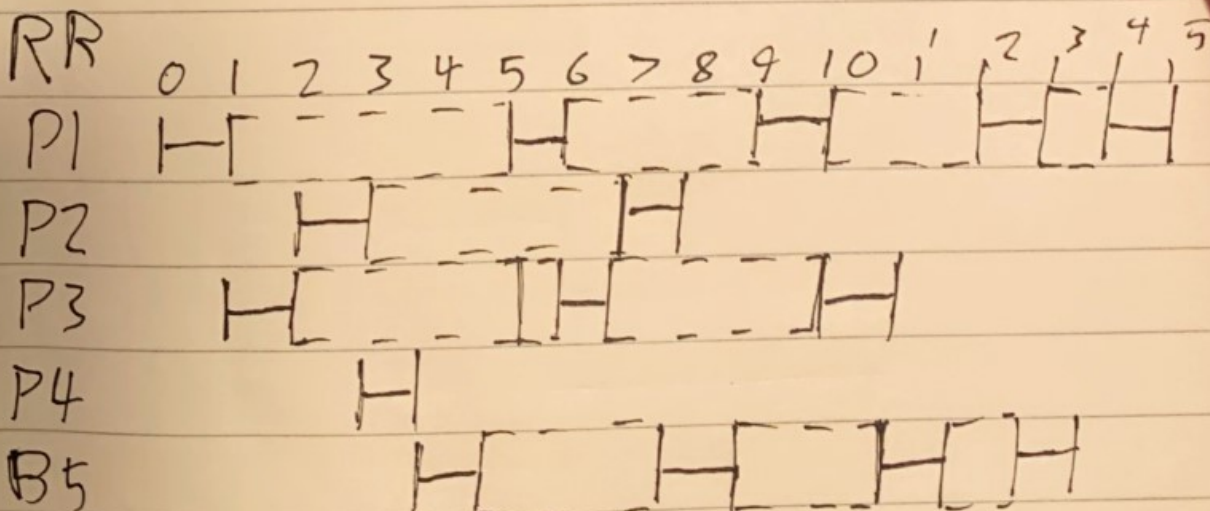


P3; TAT: 14 wait: 11

P5; TAT: 7, wait: 3

P4; TAT: 4 wait: 8

avg wait: 5



P1; TAT: 15 wait: 10

P4; TAT: 1 wait: 0

P2; TAT: 6 wait: 4

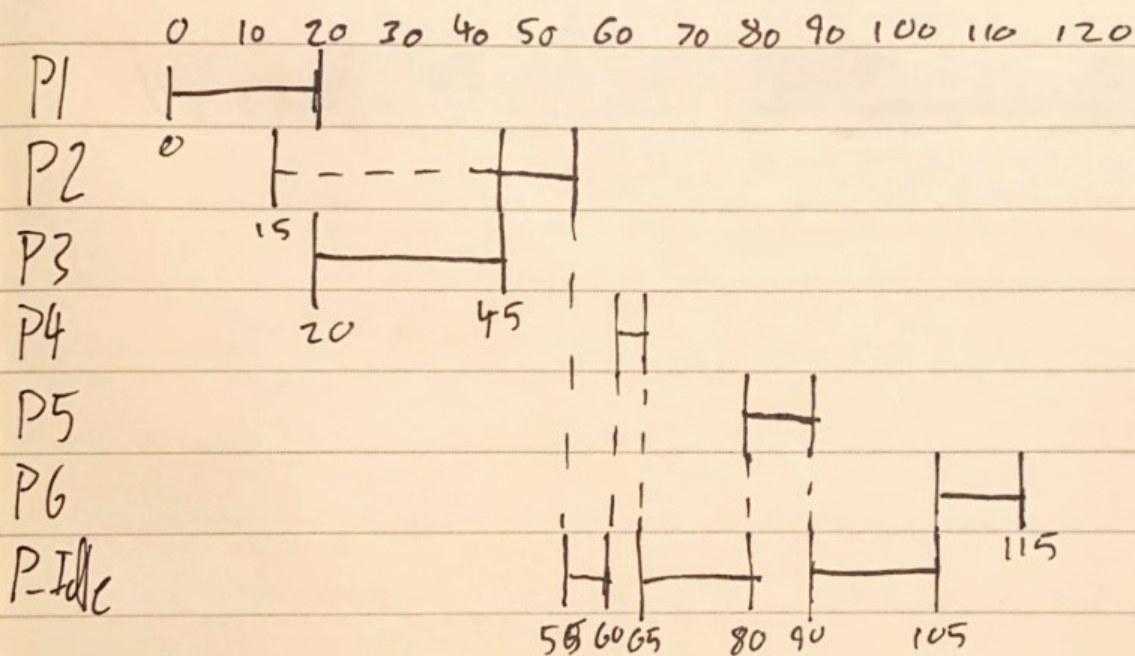
P5; TAT: 10 wait: 6

P3; TAT: 10 wait: 7

Avg wait: 5.4

1D) SJF has the shortest Avg. wait time at 4

2)



P1; TAT: 20, wait: 0 P2; TAT: 40, wait: 30
 P3; TAT: 25, wait: 0 P4; TAT: 5, wait: 0
 P5; TAT: 10, wait: 0 P6; TAT: 10, wait: 0

$$\text{CPU Utilization} = \frac{\text{not Idle}}{\text{total time}} = \frac{85}{115} = \%69.5$$

CPU utilization

3

PCBs

Process ID

3

4

5

Process State

blocked

running

blocked

Alloc. Res.

None

13

14

RCBs

Resource ID

12

13

14

State

Not-Alloc.

Alloc.

Alloc.

Waiting List

3

Ready list

head | 4

tail