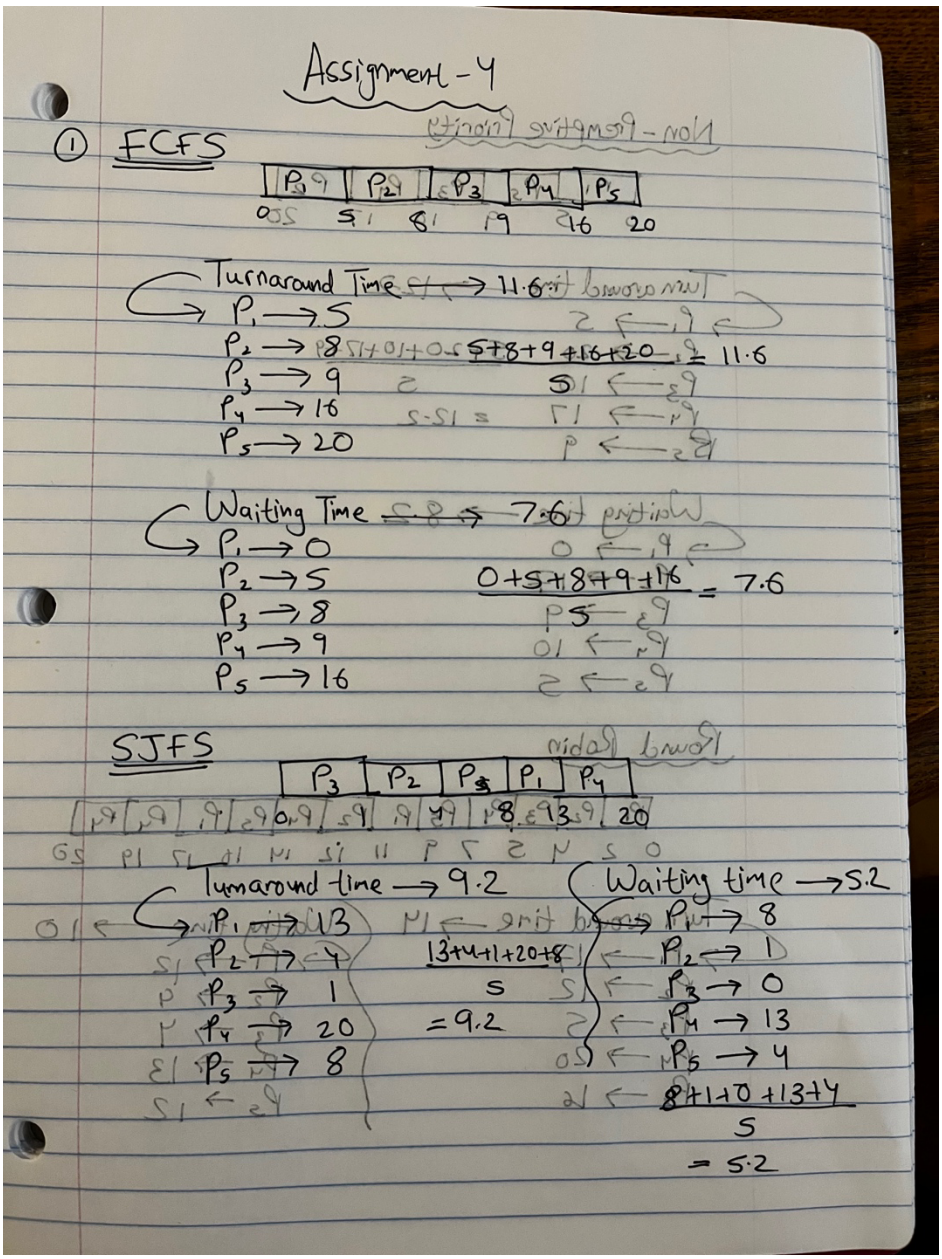
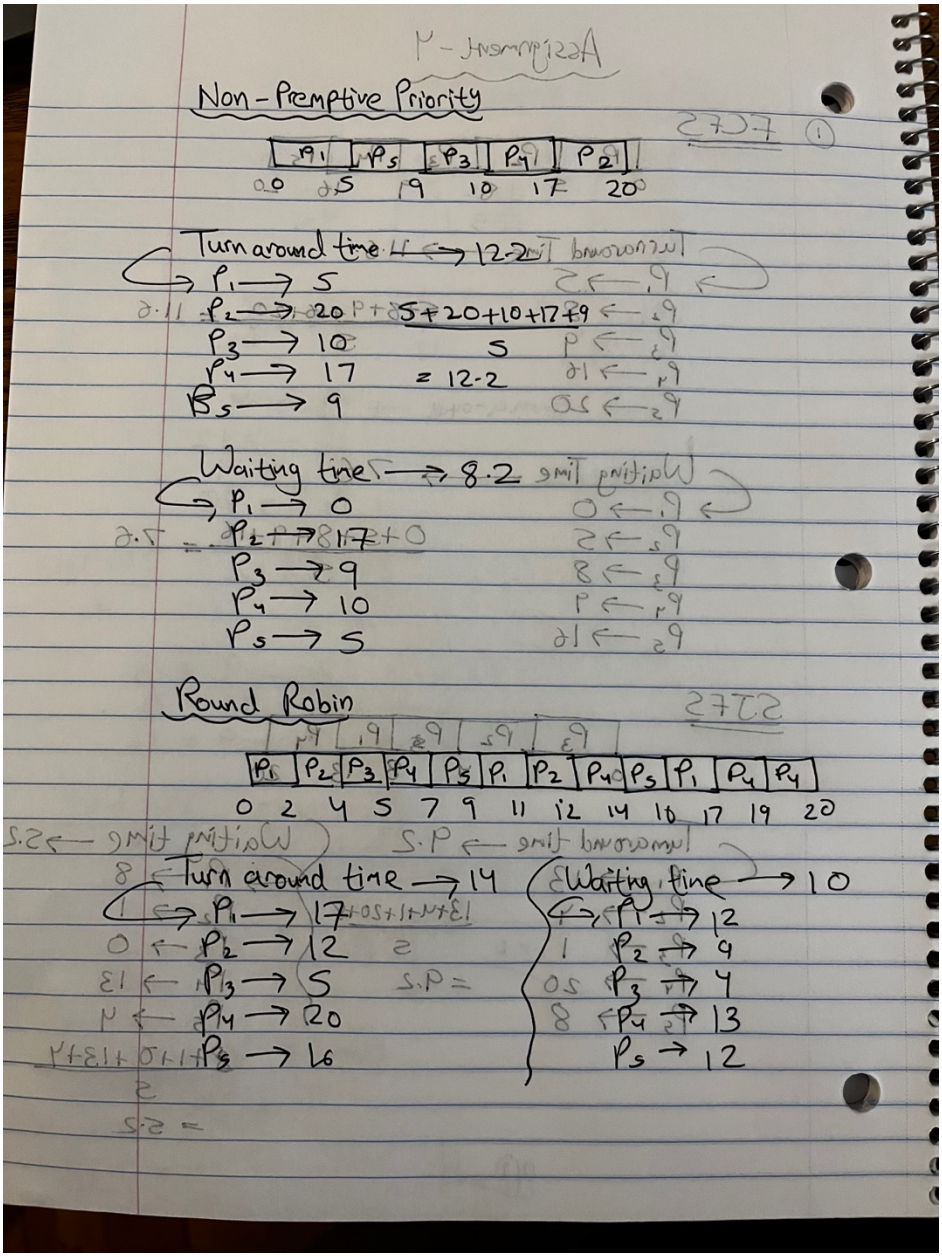

Assignment - 4
① FCFS
P1 P2 P3 P4 P5
0 5 8 9 16 20
Turnaround Time → 11.6
P1 → 5
P2 → 8
P3 → 9
P4 → 16
P5 → 20
5+8+9+16+20 / 5 = 11.6
Waiting Time → 7.6
P1 → 0
P2 → 5
P3 → 8
P4 → 9
P5 → 16
0+5+8+9+16 / 5 = 7.6
SJFS
P3 P2 P5 P1 P4
0 1 4 8 13 20
Turnaround time → 9.2
P1 → 13
P2 → 4
P3 → 1
P4 → 20
P5 → 8
13+4+1+20+8 / 5 = 9.2
Waiting time → 5.2
P1 → 8
P2 → 1
P3 → 0
P4 → 13
P5 → 4
8+1+0+13+4 / 5 = 5.2

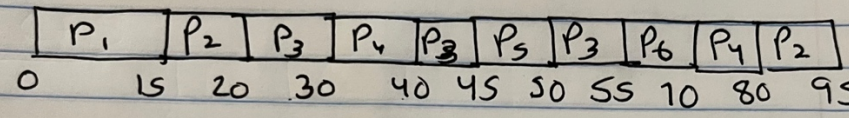
Question 1 ^^^^



Question 1 (continued)^^^^

(d) SJFS has the least average waiting time with 5.2ms

(2)



Waiting time → ~~36.67~~ → 41.67

- $P_1 \rightarrow 15$
- $P_2 \rightarrow 95$
- $P_3 \rightarrow 35$
- $P_4 \rightarrow 55$
- $P_5 \rightarrow 5$
- $P_6 \rightarrow 15$

turnaround time → 36.67

- $P_1 \rightarrow 0$
- $P_2 \rightarrow 75$
- $P_3 \rightarrow 15$
- $P_4 \rightarrow 35$
- $P_5 \rightarrow 0$
- $P_6 \rightarrow 0$