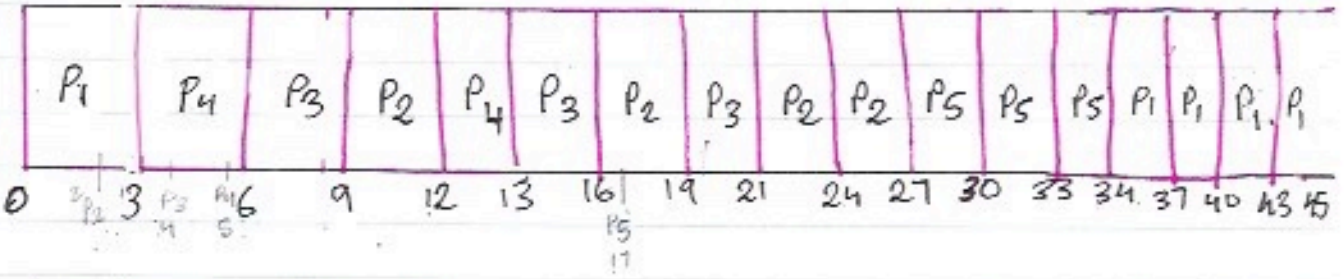
Question 3 — Shortest Job First with Quantum time = 3



Ready Queue

P1 P5

P2, P3, P4

P1 14-3 = 11-3=8-3=5-3=2

P2 12-3 = 9-3=6-3=3-3

~~P3 8-3=5-3=2~~

~~P4 4-3=1~~

P5 7-3=4-3=1

Wait time average:

$$\frac{65+10+10+7+10}{5} = 20.4$$

Wait time

P1 = 34-0, 34-3=65.

P2 = 9-3, 16-12, 21-19 = 12-2=10

P3 = 4-3, 6-4, 13-9, 19-16 = 10

P4 = 12-5.=7

P5 = 27-17,= 10