Nome:
Prof. Kelen Vivaldini
Disciplina: Sistemas Operacionais 1

1) **Explique o funcionamento de cada Algoritmo de Escalonamento:**

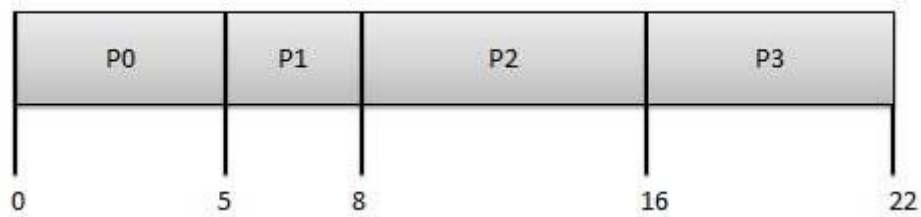   a. **First Come First Serve (FCFS)**

   b. **Shortest Job First (SJF)**

   c. **Priority Based Scheduling**

   d. **Round Robin Scheduling**

2) **First Come First Serve (FCFS)**

Process	Arrival Time	RunTime	Service Time
P0	0	5	0
P1	1	3	5
P2	2	8	8
P3	3	6	16

Calcule:

a) *Wait Time:*

Process	Wait Time

b) *Turnaround Time:*

c) *Average Wait Time:*

3) Shortest Job First (SJF)

Process	Arrival Time	RunTime	Service Time
P0	0	5	3
P1	1	3	0
P2	2	8	16
P3	3	6	8

P1	P0	P3	P2

0   3   8   16   22
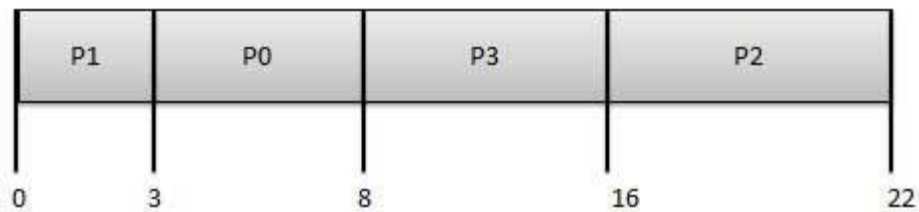
Calcule:

a) Wait Time:

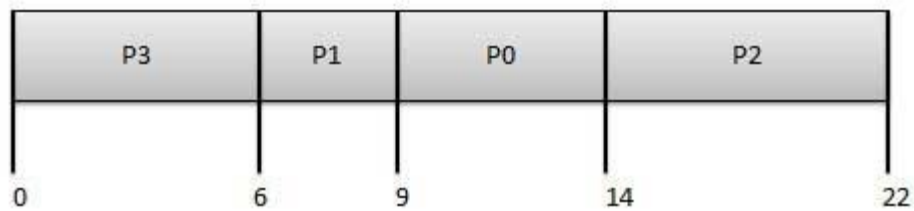| Process	Wait Time

b) *Turnaround Time:*

c) *Average Wait Time*:

4) Priority Based Scheduling

Process	Arrival Time	RunTime	Priority	Service Time
P0	0	5	1	9
P1	1	3	2	6
P2	2	8	1	14
P3	3	6	3	0

5)

Calcule:

a) Wait Time:

Process	Wait Time

b) *Turnaround Time:*

c) *Average Wait Time***:**

5) **Round Robin Scheduling**

Quantum = 3

PO	P1	P2	P3	PO	P2	P3	P2

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0    3    6    9    12  14    17    20  22
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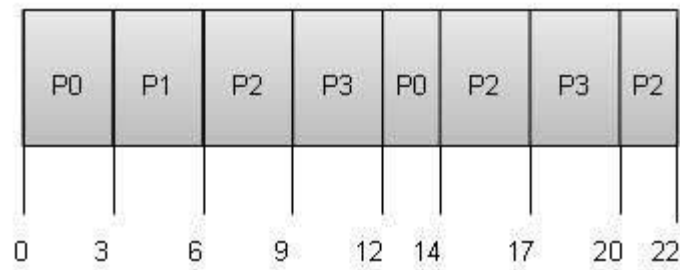
Calcule:

a) *Wait Time:*

Process	Wait Time

b) *Average Wait Time***:**