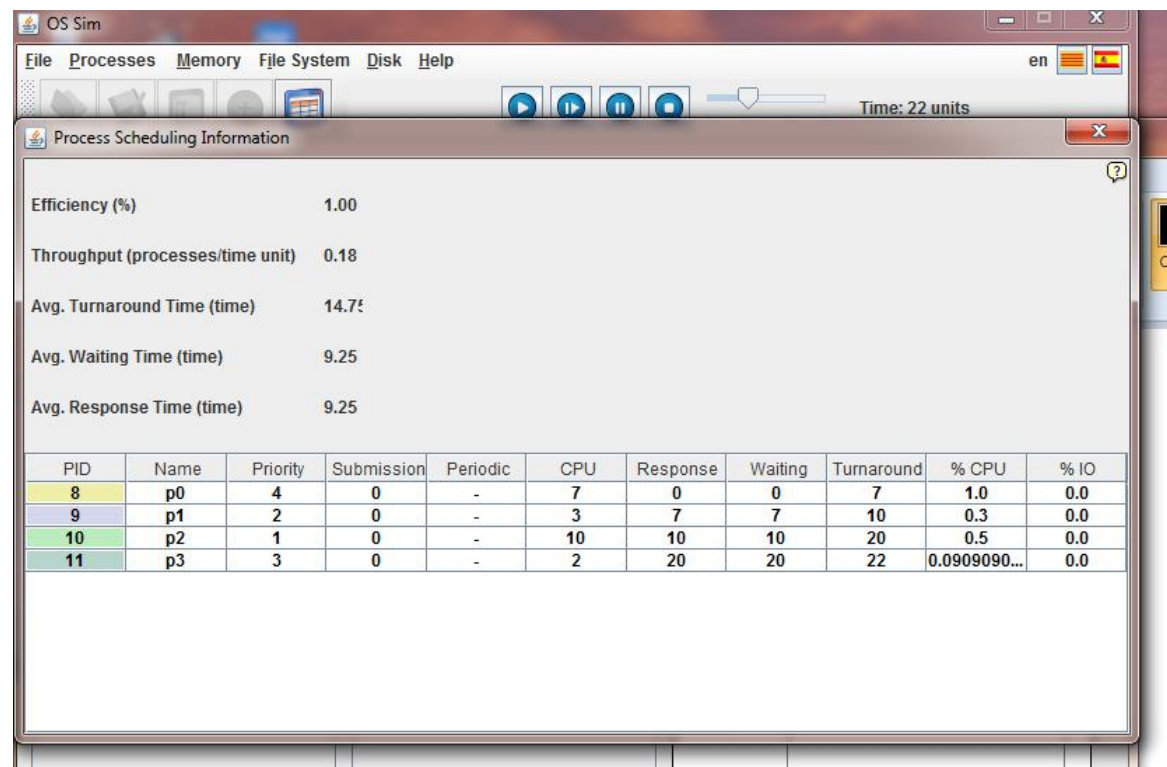


Nama : Bagus Zizou Satiaji

NIM : L200180212

Kelas : SO [E]

1. FCFS



Process	Wait Time
P0	0
P1	7
P2	10
P3	20
Avg. Waiting Time	9.25
Avg. Touraround	14.75
Avg. Response	9.25

2. SJFS

- Preemptive

The screenshot shows the 'Process Scheduling Information' window from the OS Sim application. It displays various performance metrics and a table of process data. The metrics include Efficiency (1.00), Throughput (0.18), Avg. Turnaround Time (10.25), Avg. Waiting Time (4.75), and Avg. Response Time (4.75). The table lists four processes: p3 (PID 15), p1 (PID 13), p0 (PID 12), and p2 (PID 14). The table columns are PID, Name, Priority, Submission, Periodic, CPU, Response, Waiting, Turnaround, % CPU, and % IO.

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
15	p3	3	0	-	2	0	0	2	1.0	0.0
13	p1	2	0	-	3	2	2	5	0.6	0.0
12	p0	4	0	-	7	5	5	12	0.5833333...	0.0
14	p2	1	0	-	10	12	12	22	0.4545454...	0.0

Process	Wait Time
P0	5
P1	2
P2	12
P3	0
Avg. Waiting Time	4.75
Avg. Touraround	10.25
Avg. Response	4.75

- NonPreemptive

The screenshot shows the 'Process Scheduling Information' window in OS Sim. It displays various performance metrics and a table of process data. The metrics are:

- Efficiency (%): 1.00
- Throughput (processes/time unit): 0.18
- Avg. Turnaround Time (time): 10.25
- Avg. Waiting Time (time): 4.75
- Avg. Response Time (time): 4.75

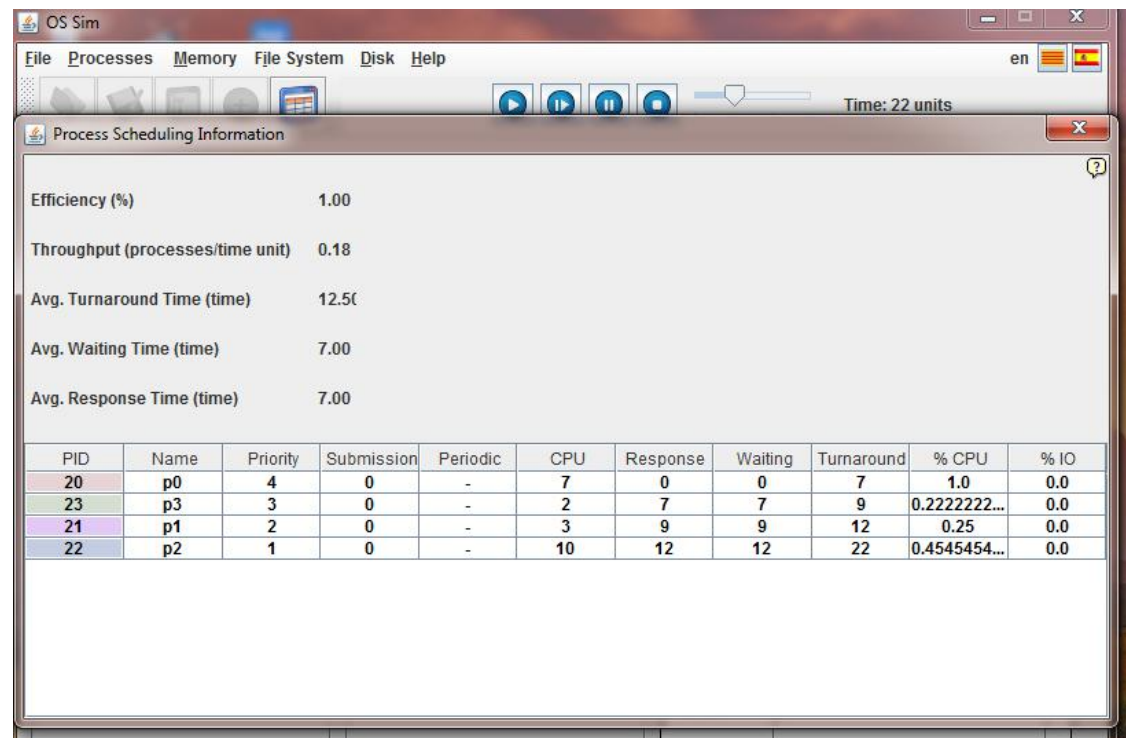
The table below lists the details for four processes (p0, p1, p2, p3):

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
19	p3	3	0	-	2	0	0	2	1.0	0.0
17	p1	2	0	-	3	2	2	5	0.6	0.0
16	p0	4	0	-	7	5	5	12	0.583333...	0.0
18	p2	1	0	-	10	12	12	22	0.454545...	0.0

Process	Wait Time
P0	5
P1	2
P2	12
P3	0
Avg. Waiting Time	4.75
Avg. Touraround	10.25
Avg. Response	4.75

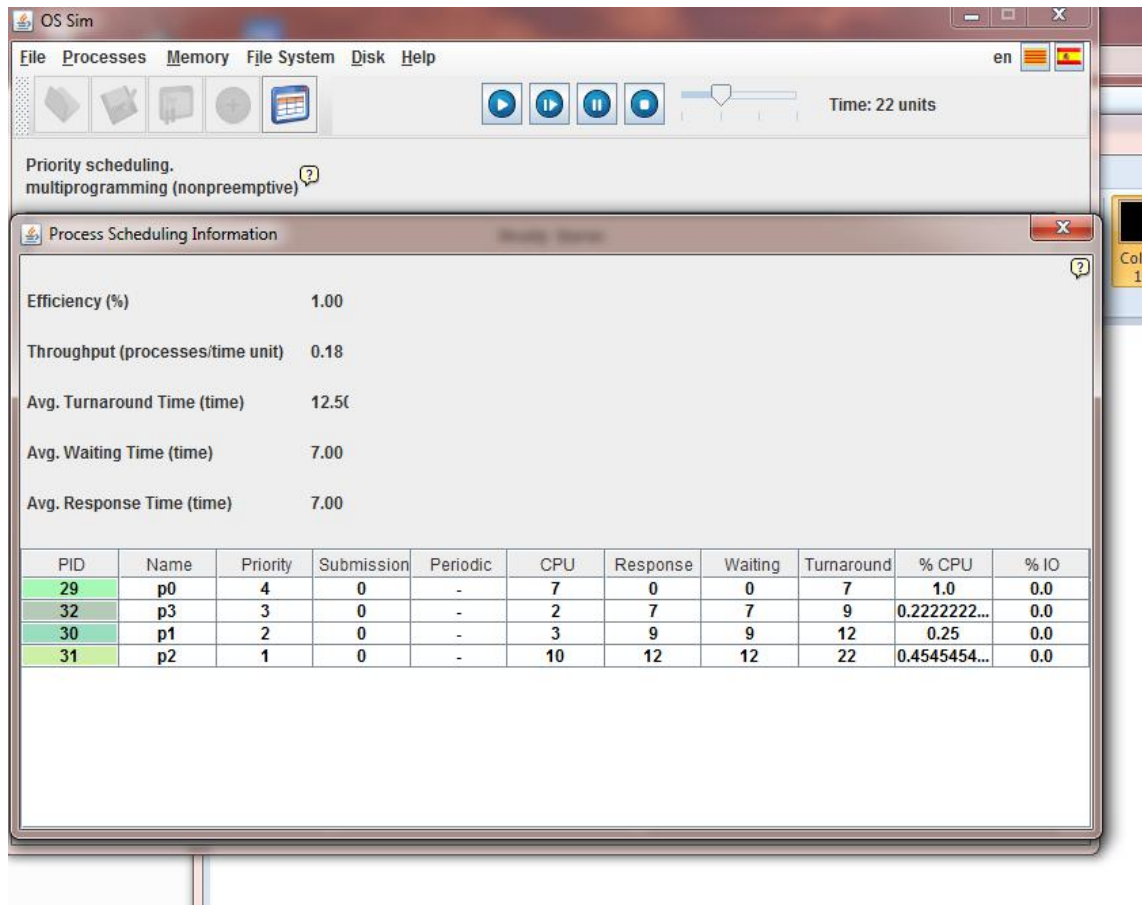
3. Priority

- Preemptive



Process	Wait Time
P0	0
P1	9
P2	12
P3	7
Avg. Waiting Time	7.00
Avg. Touraround	12.50
Avg. Response	7.00

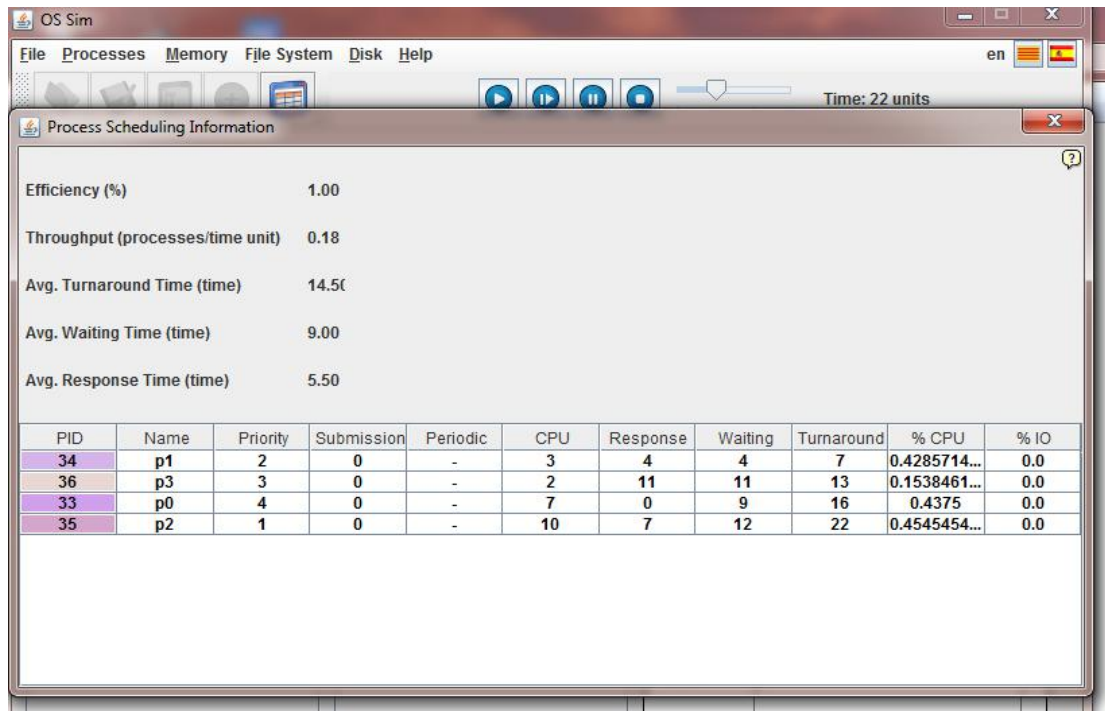
- Nonpreemptive



Process	Wait Time
P0	0
P1	9
P2	12
P3	7
Avg. Waiting Time	7.00
Avg. Touraround	12.50
Avg. Response	7.00

4. Round Robin

Quantumtime = 4



Process	Wait Time
P0	9
P1	4
P2	12
P3	11
Avg. Waiting Time	9.00
Avg. Touraround	14.50
Avg. Response	5.50