IlyasRaihan Nadhif

**L200180119**

C

MODUL 11

PROSES	BURST TIME	PRIORITY
P0	7	4
P1	3	2
P2	10	1
P3	2	3

A. FCFS

PROSES	WAIT TIME
P0	0
P1	7
P2	20
P3	22
AV. WAITING TIME	9.25
AV. TURNAROUND	14.75
AV. RESPONSE	9.25

B. SJFS
- **PREMTIVE**
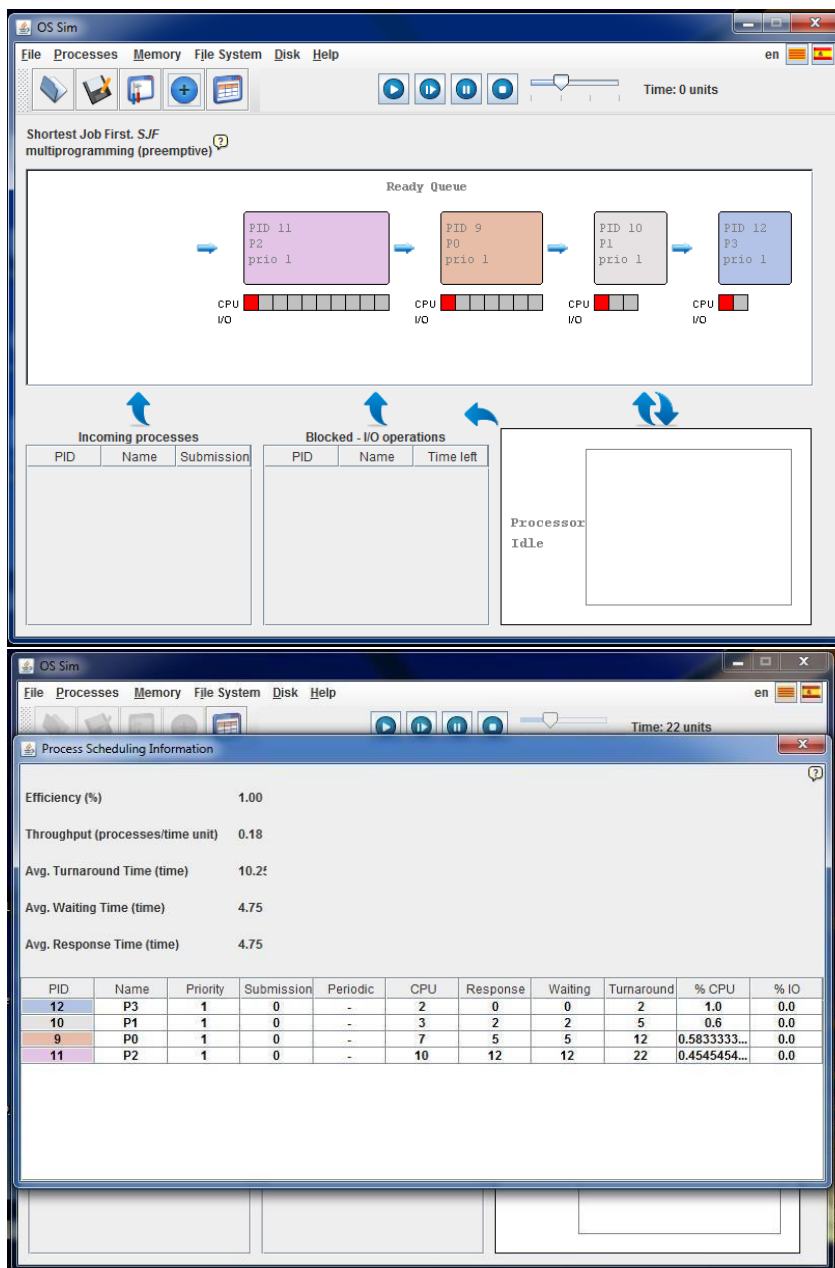
PROSES	WAIT TIME
P0	5
P1	2
P2	12
P3	0
AV. WAITING TIME	4.75
AV. TURNAROUND	10.25
AV. RESPONSE	4.75

- **NON- PREMTIVE**

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

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
16	P3	1	0	-	2	0	0	2	1.0	0.0
14	P1	1	0	-	3	2	2	5	0.6	0.0
13	P0	1	0	-	7	5	5	12	0.5833333...	0.0
15	P2	1	0	-	10	12	12	22	0.4545454...	0.0
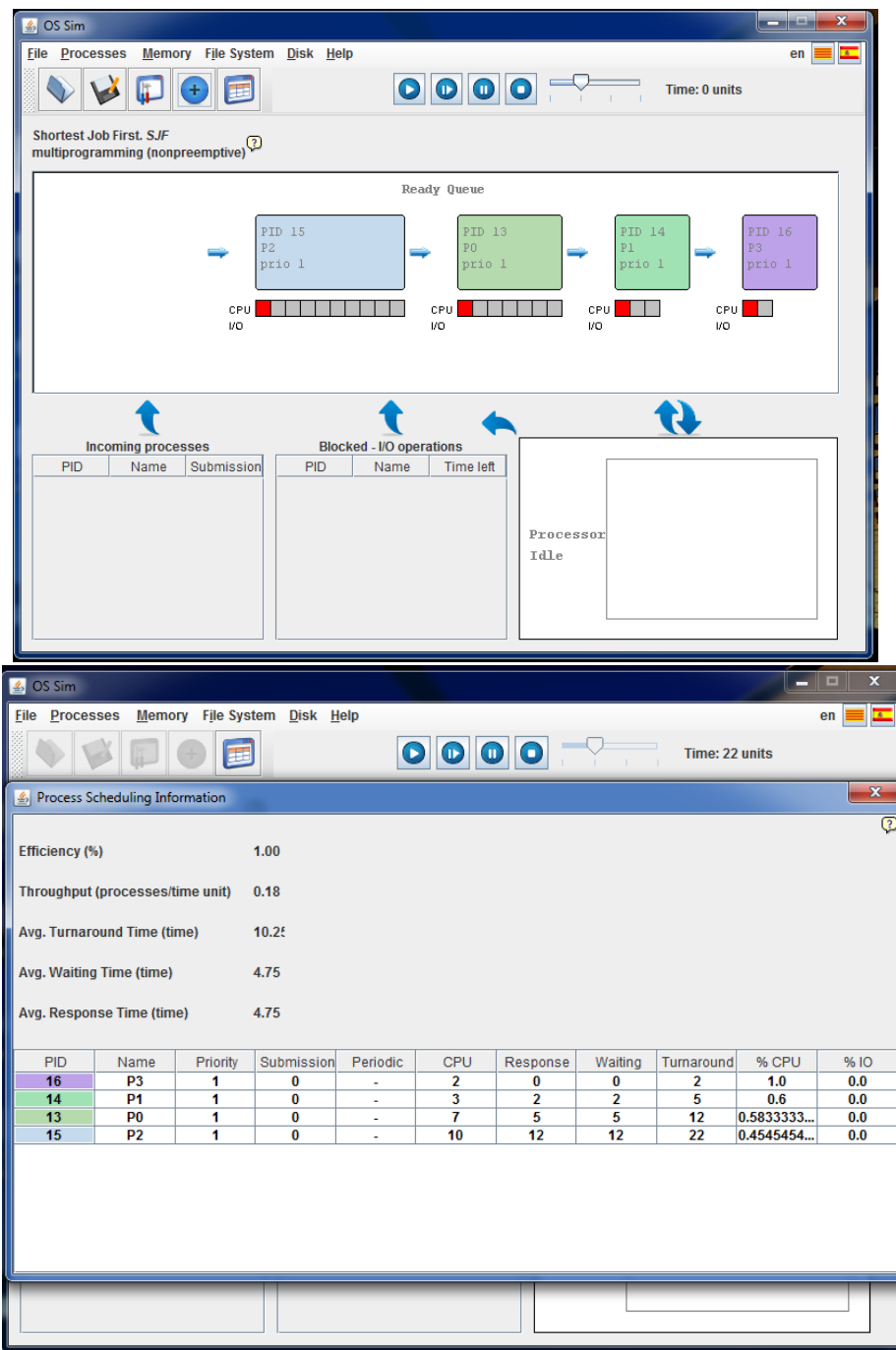
PROSES	WAIT TIME
P0	5
P1	2
P2	12
P3	0
AV. WAITING TIME	4.75
AV. TURNAROUND	10.25
AV. RESPONSE	4.75

C. PRIORITY SCEDULING
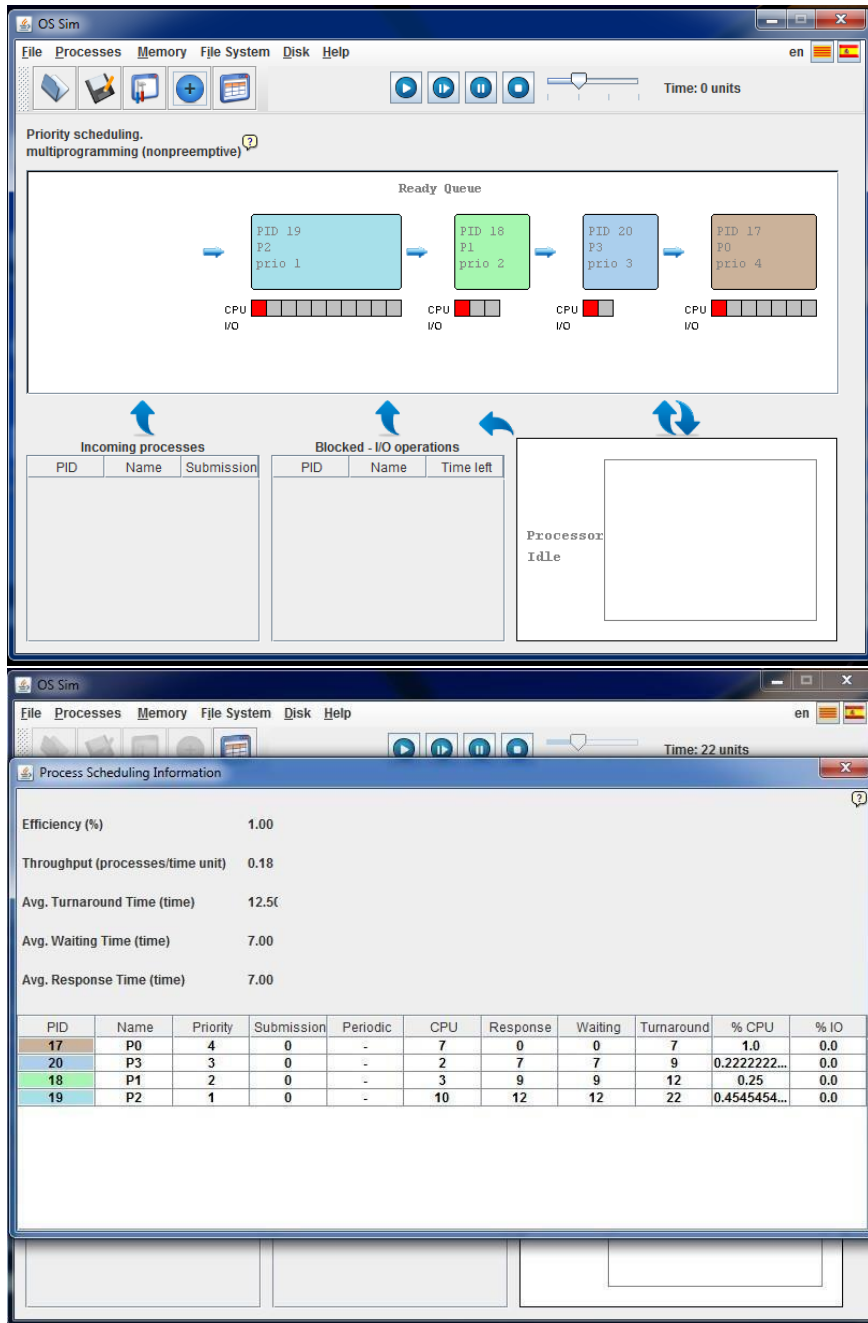
PROSES	WAIT TIME
P0	0
P1	9
P2	12
P3	7
AV. WAITING TIME	7.00
AV. TURNAROUND	12.50
AV. RESPONSE	7.00

D. ROUND ROBIN (QUANTUM = 4)

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
22	P1	1	0	-	3	4	4	7	0.4285714...	0.0
24	P3	1	0	-	2	11	11	13	0.1538461...	0.0
21	P0	1	0	-	7	0	9	16	0.4375	0.0
23	P2	1	0	-	10	7	12	22	0.4545454...	0.0

Efficiency (%)   1.00

Throughput (processes/time unit)   0.18

Avg. Turnaround Time (time)   14.50

Avg. Waiting Time (time)   9.00

Avg. Response Time (time)   5.50
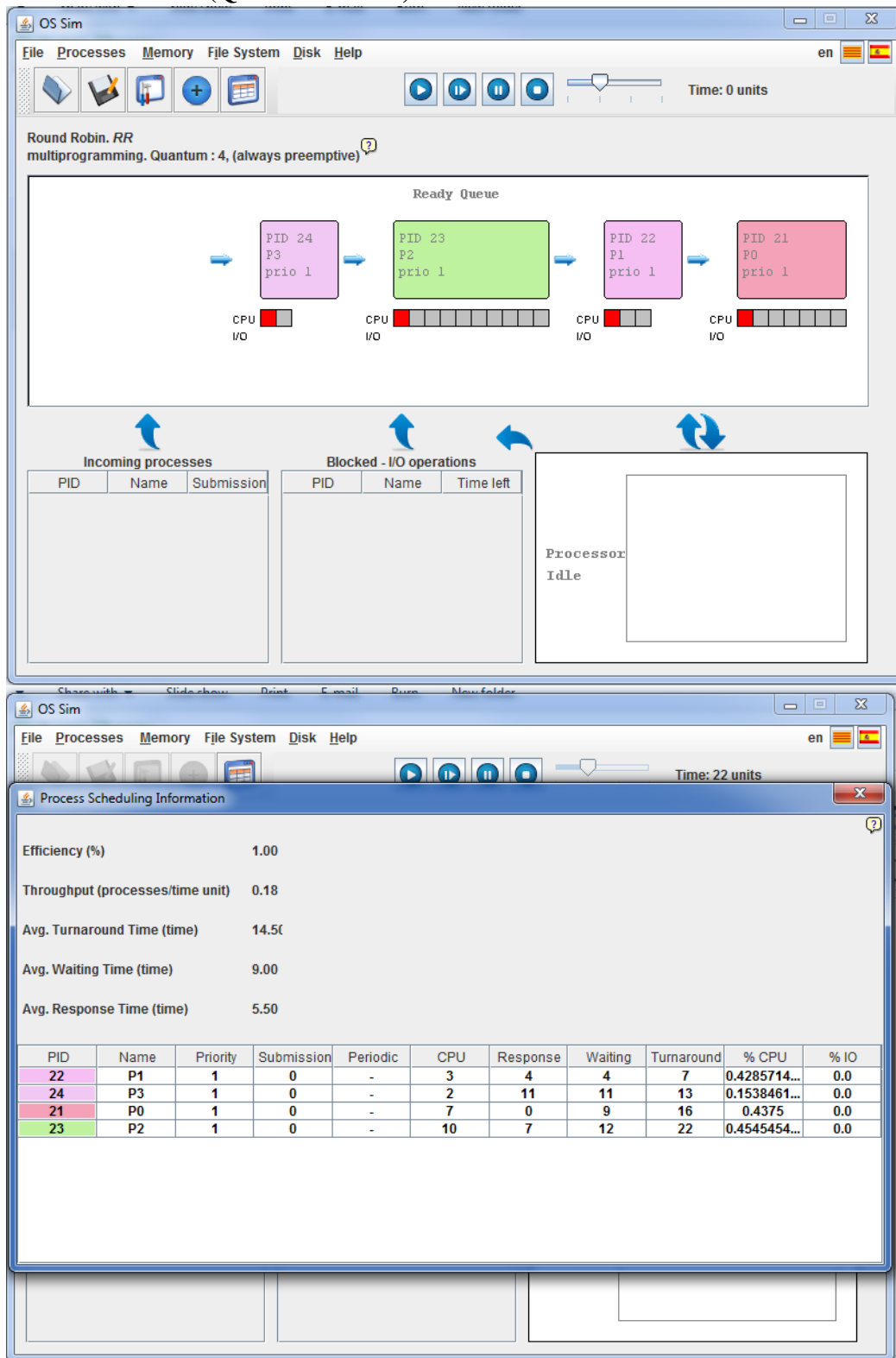
PROSES	WAIT TIME
P0	9
P1	4
P2	12
P3	11
AV. WAITING TIME	9.00
AV. TURNAROUND	14.50
AV. RESPONSE	5.50