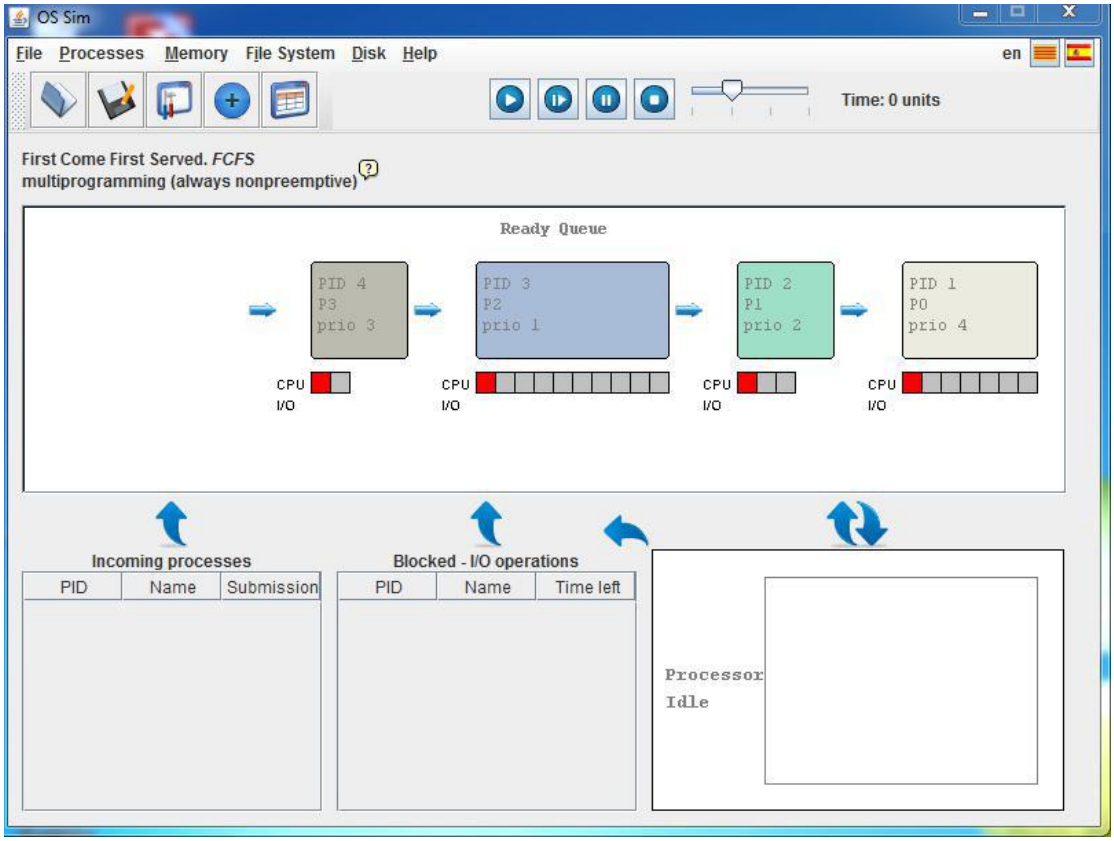
NAMA : ELSA PUTRI ALIYYA

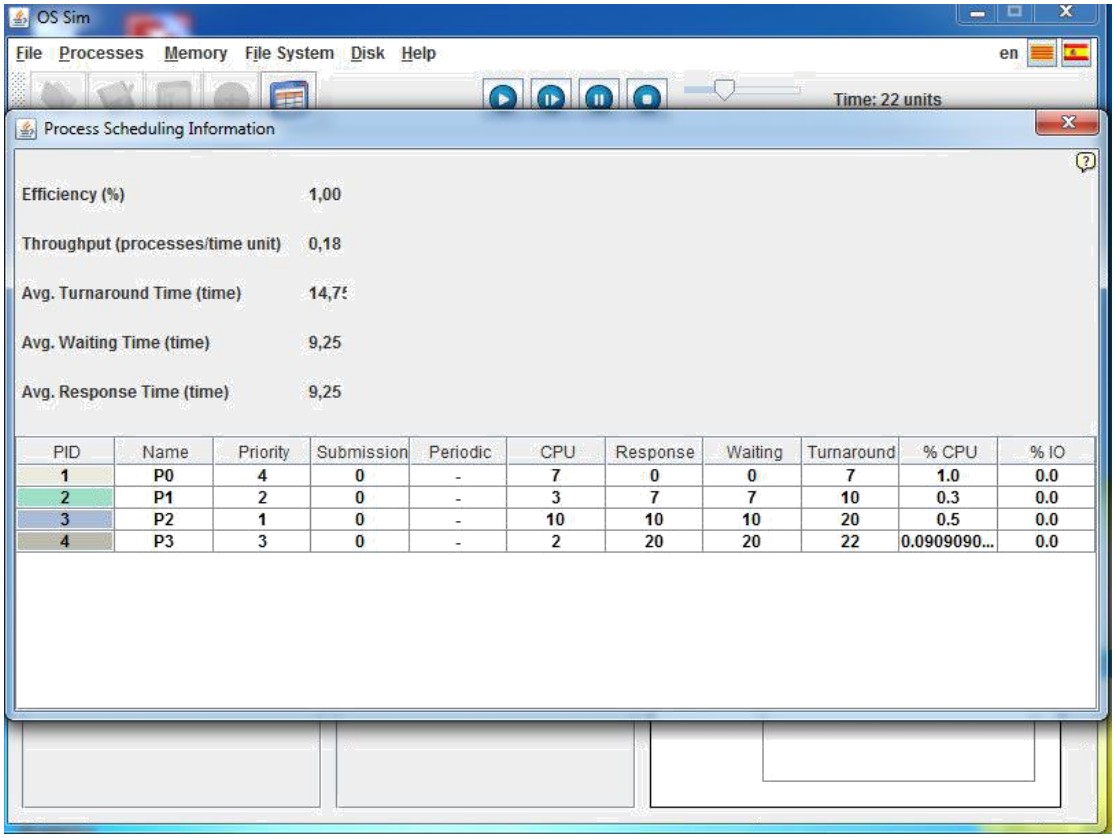
NIM : L200180108

KELAS : C

MODUL 11

1. **FCFS**

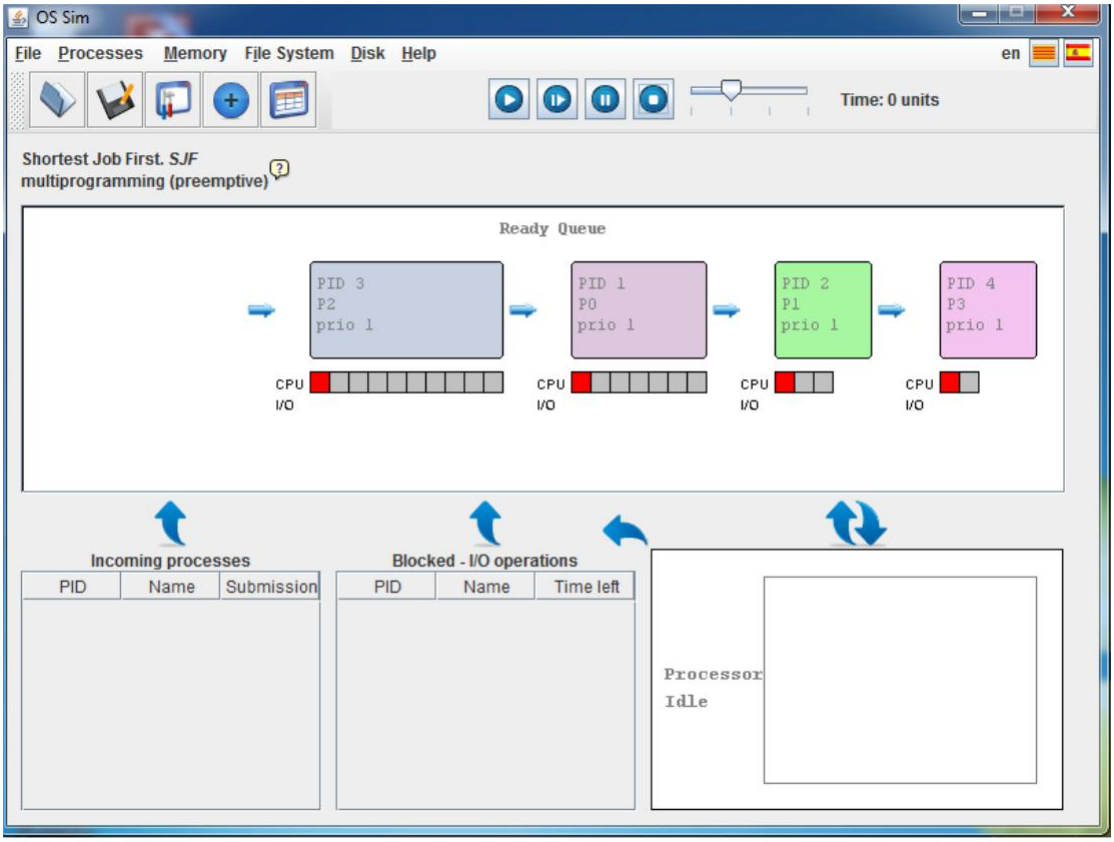


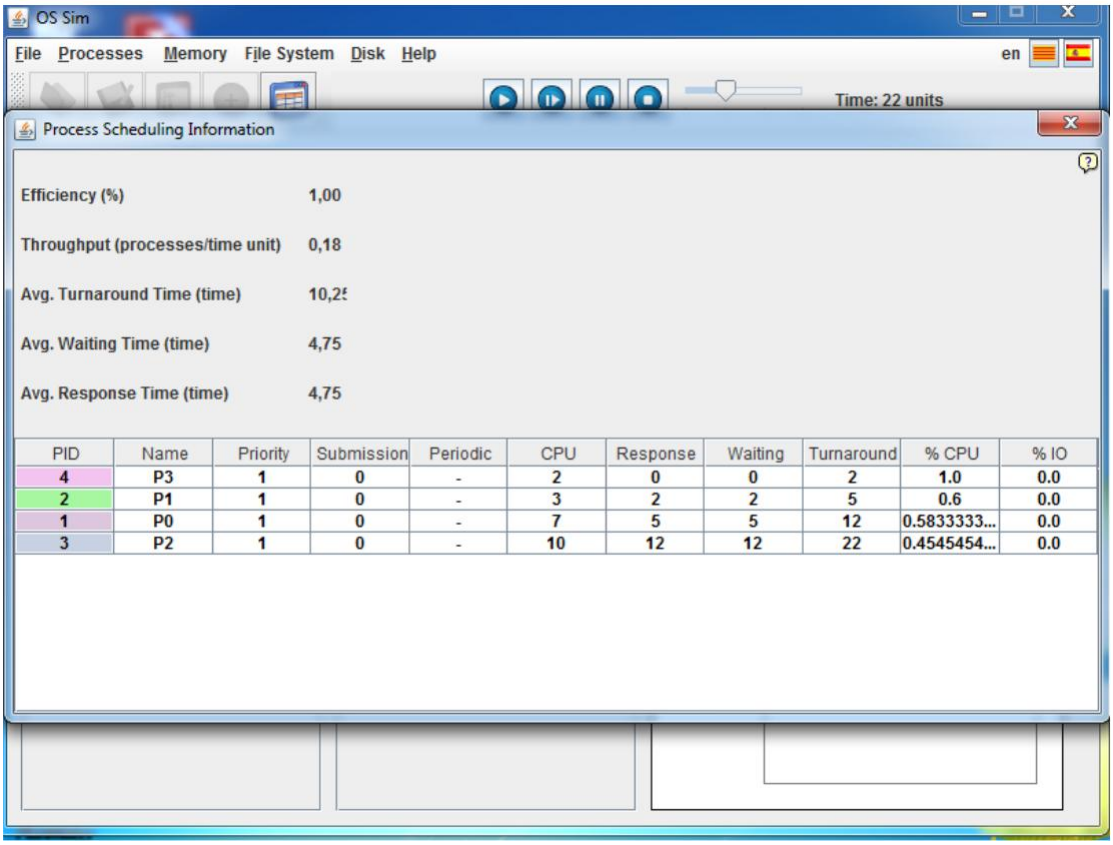


Process	Waiting Time
P0	0
P1	7
P2	10
P3	20
Average Waiting Time	9.25
Average Turnaround	14.75
Average Respon	9.25

2. SJFS

a) Preemptive

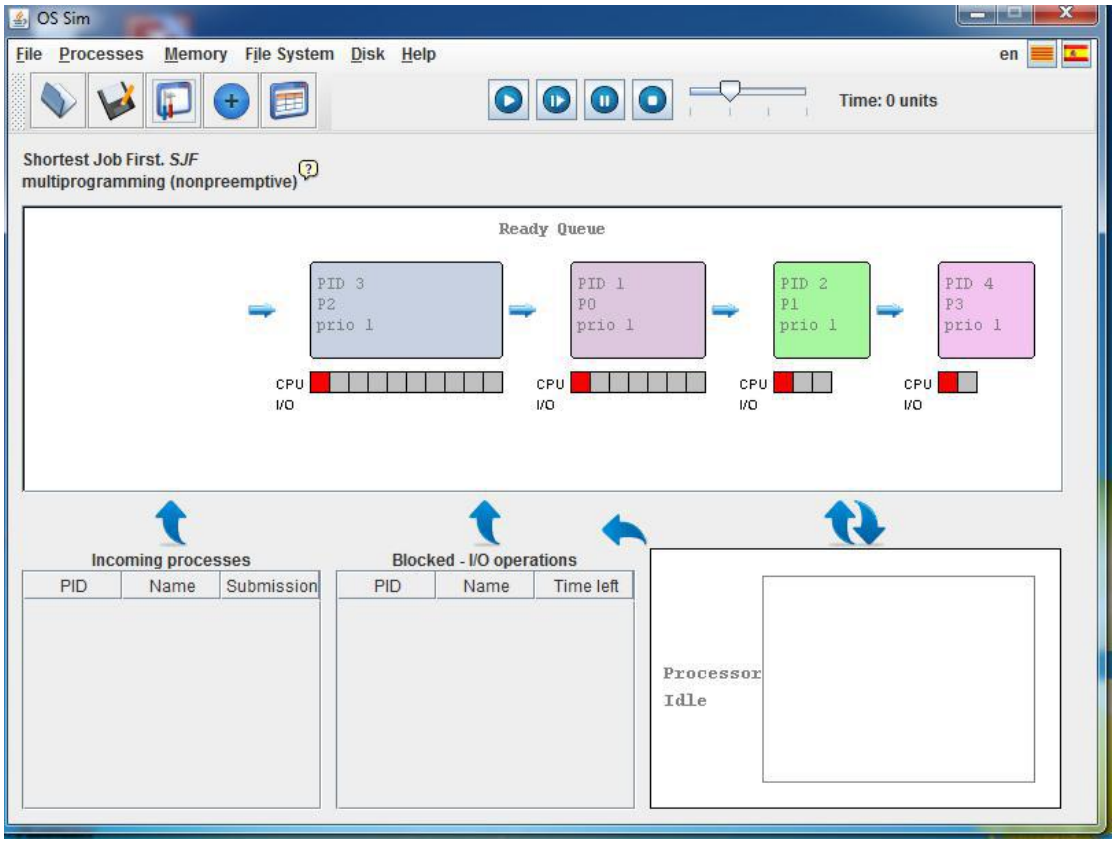


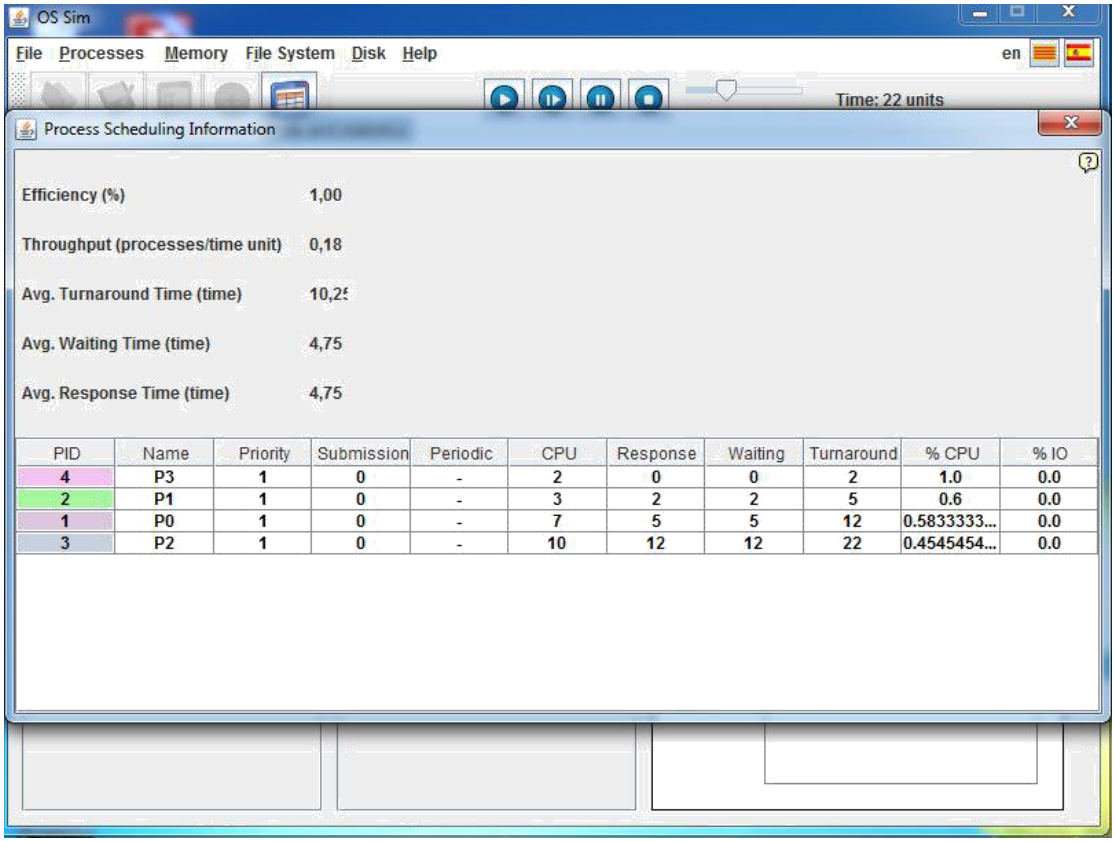


PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
4	P3	1	0	-	2	0	0	2	1.0	0.0
2	P1	1	0	-	3	2	2	5	0.6	0.0
1	P0	1	0	-	7	5	5	12	0.5833333...	0.0
3	P2	1	0	-	10	12	12	22	0.4545454...	0.0

Process	Waiting Time
P0	5
P1	2
P2	12
P3	0
Average Waiting Time	4,75
Average Turnaround	10,25
Average Respon	4,75

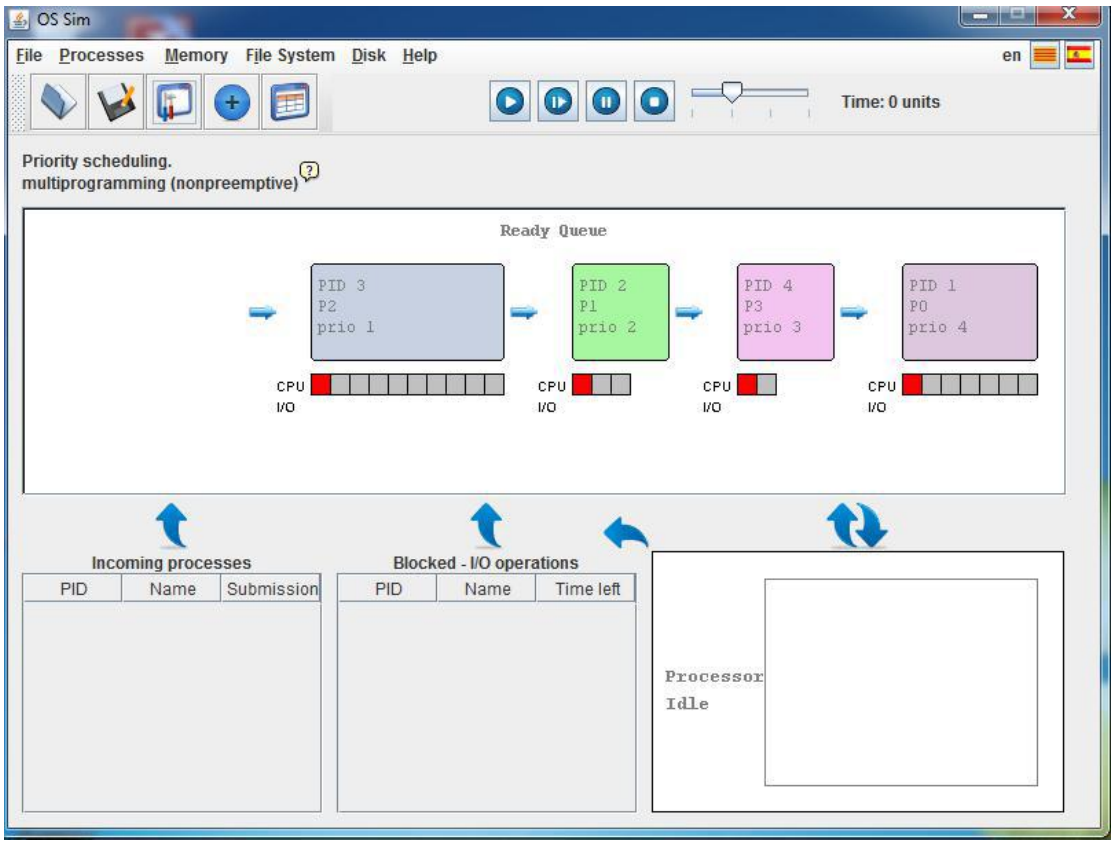
b) Nonpreemptive

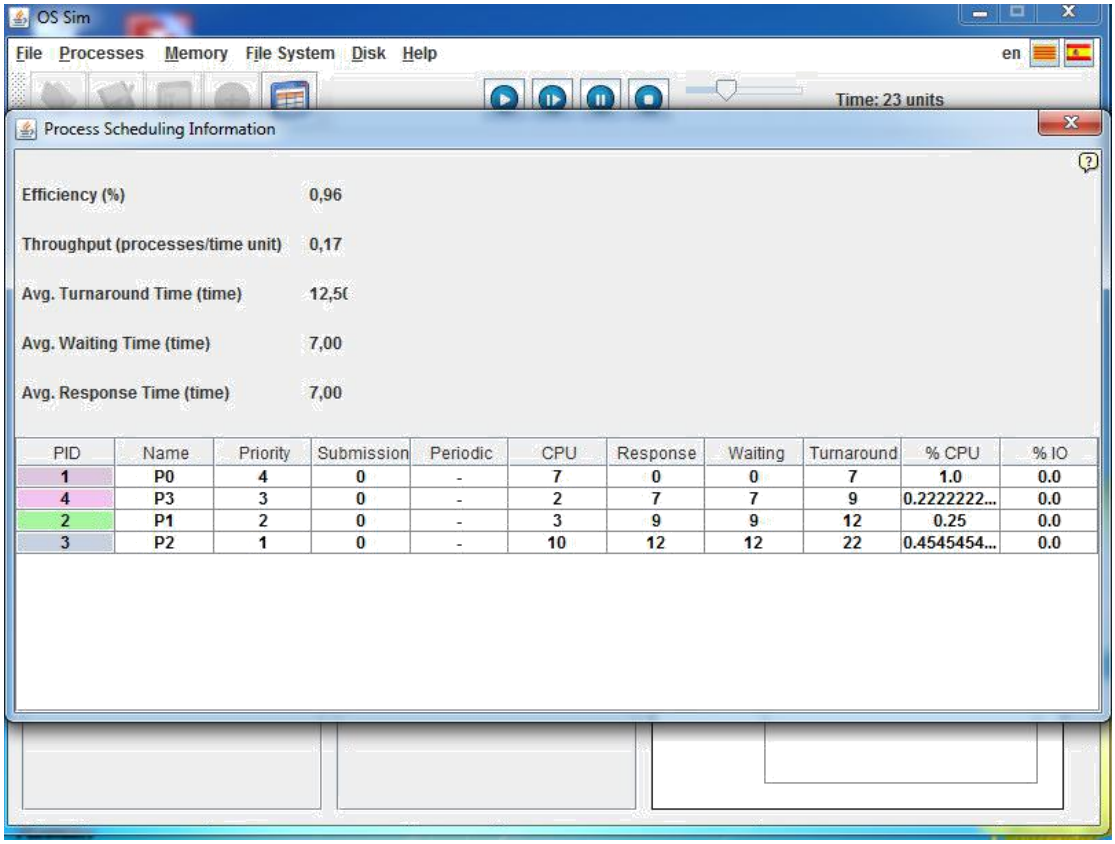




Process	Waiting Time
P0	5
P1	2
P2	12
P3	0
Average Waiting Time	4,75
Average Turnaround	10,25
Average Respon	4,75

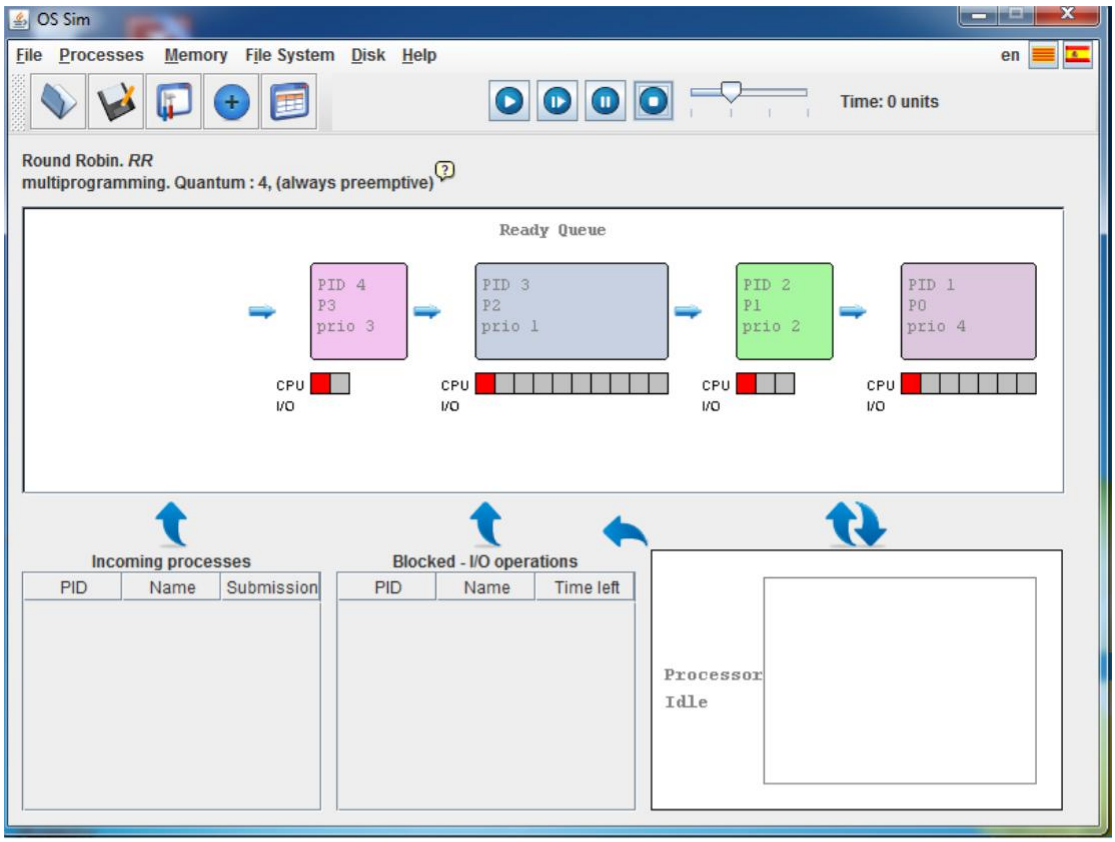
3. Priority Sceduling

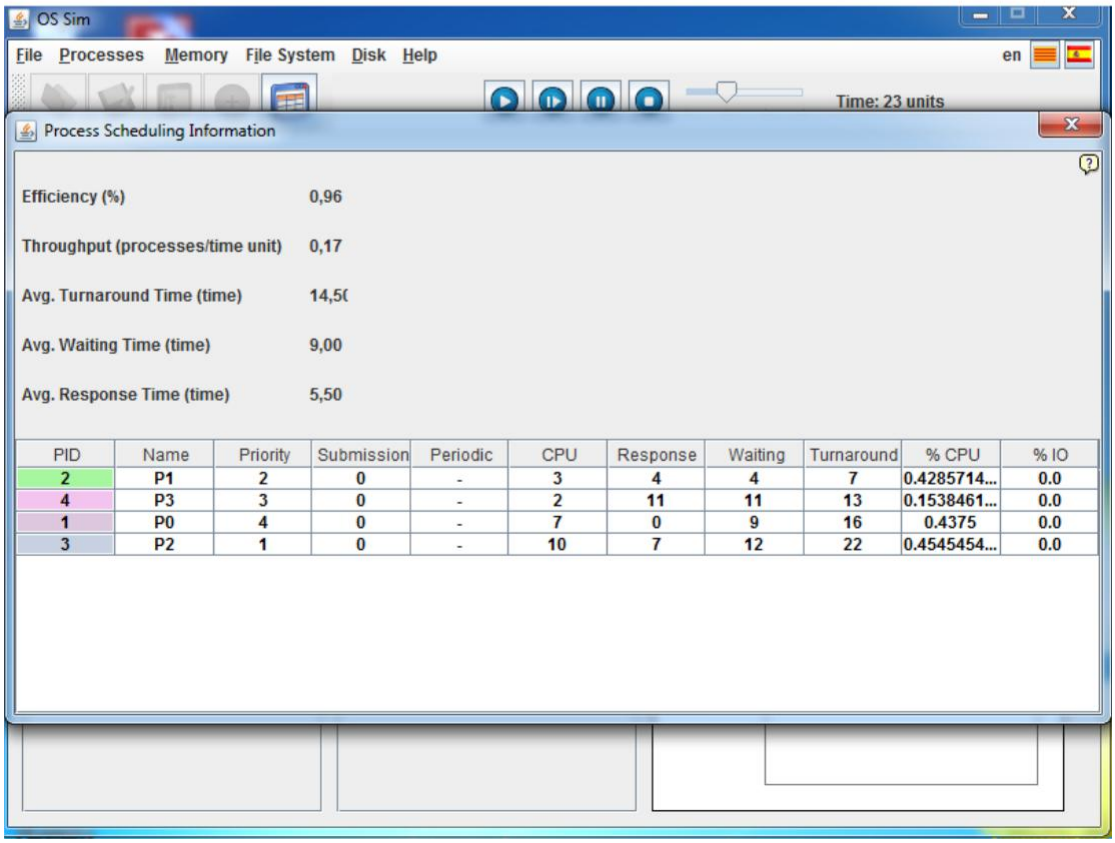




Process	Waiting Time
P0	0
P1	9
P2	12
P3	7
Average Waiting Time	7,00
Average Turnaround	12,50
Average Respon	7,00

4. RoundRobin (Quantum time = 4)





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

Process	Waiting Time
P0	9
P1	4
P2	12
P3	11
Average Waiting Time	9,00
Average Turnaround	14,50
Average Respon	5,50