

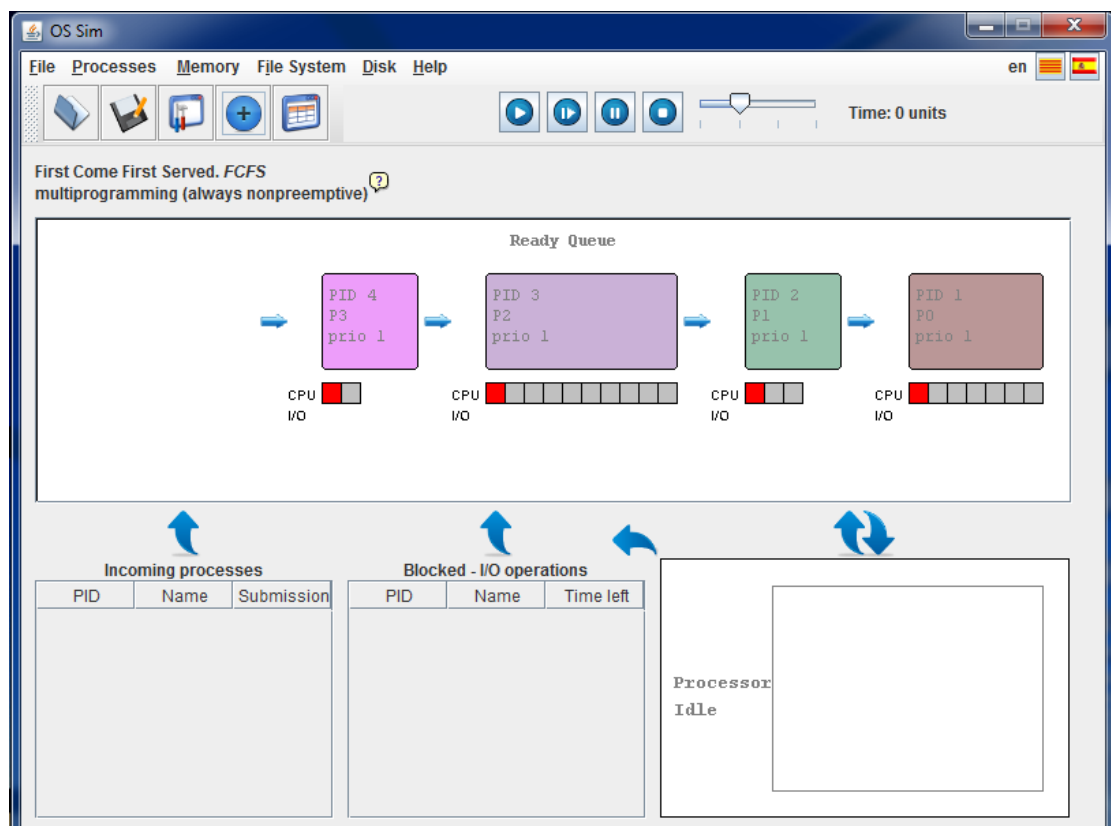
NAMA = PUTRI SIWI UTAMI

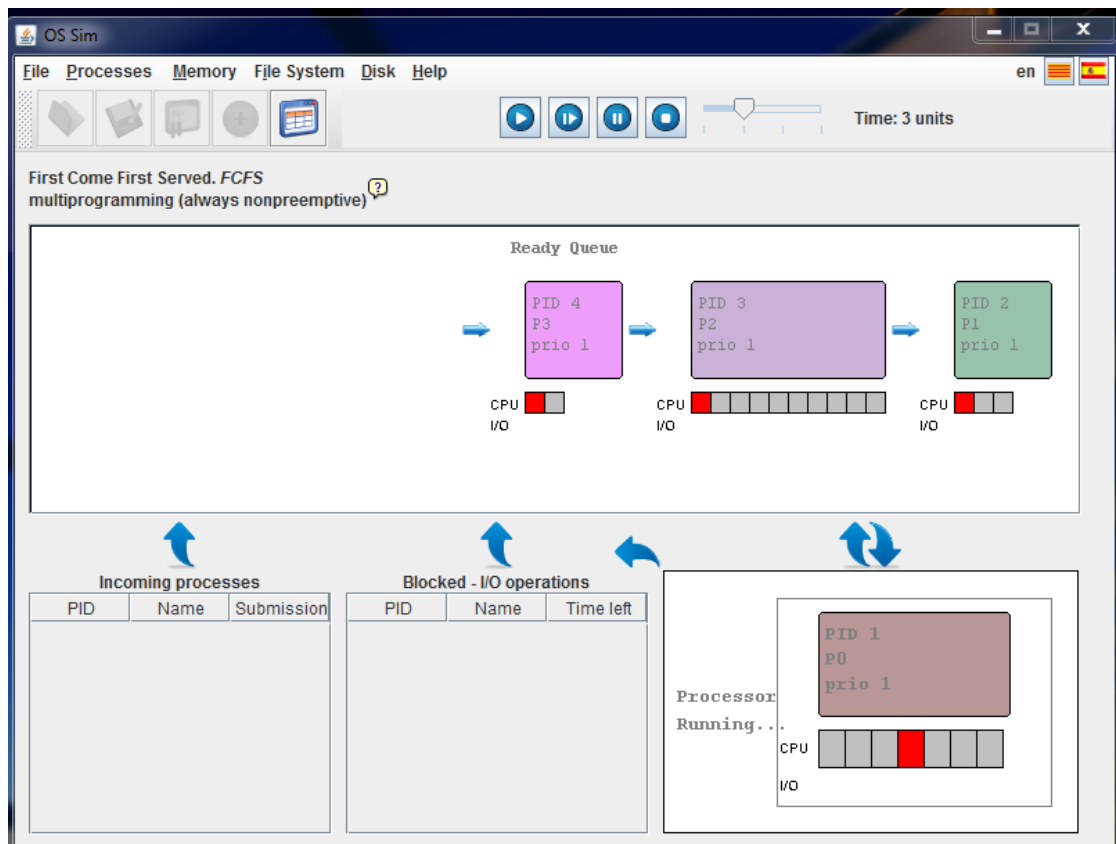
KELAS = D

NIM = L200810146

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

1. FCFS





Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 14.75

Avg. Waiting Time (time) 9.25

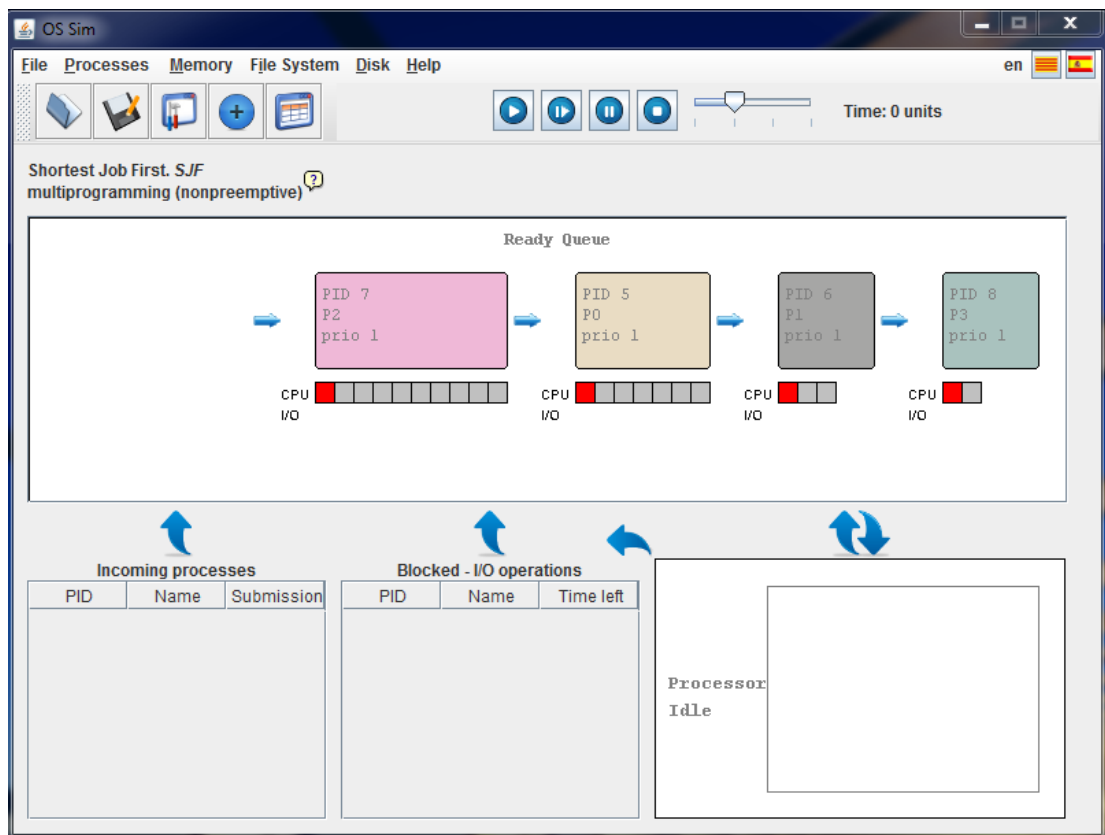
Avg. Response Time (time) 9.25

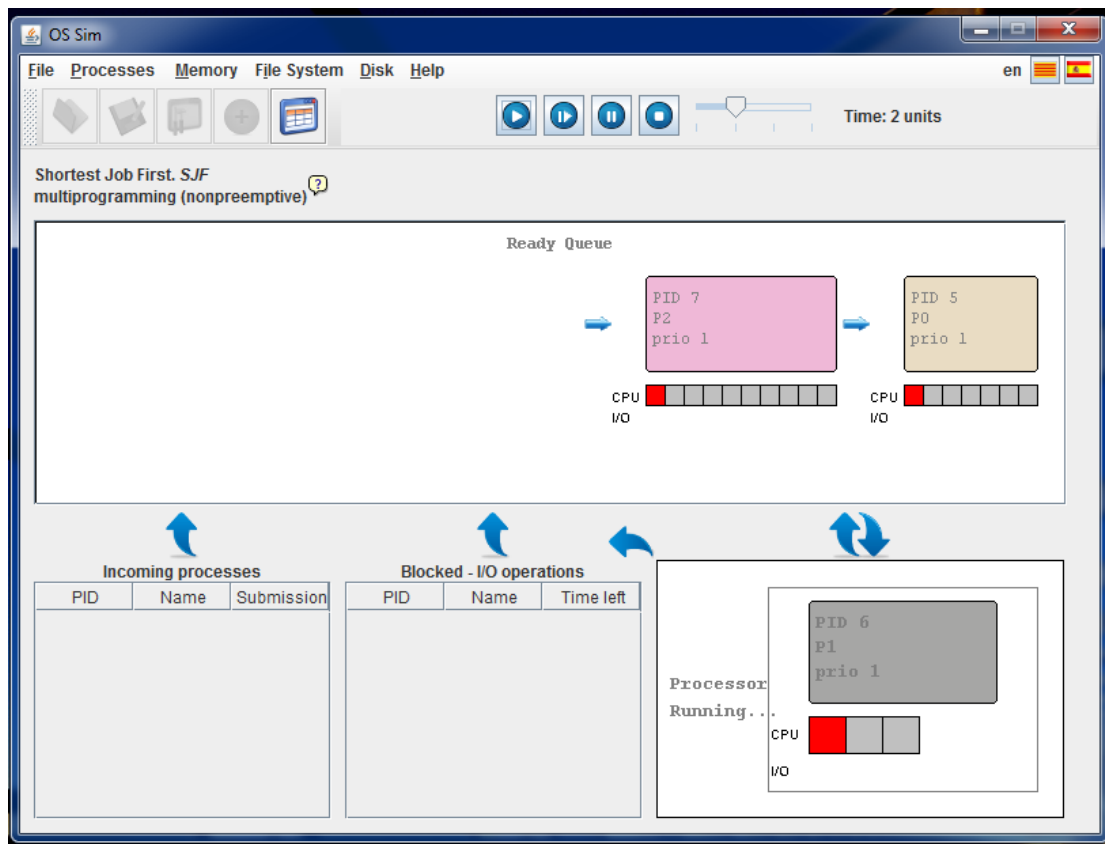
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
1	P0	1	0	-	7	0	0	7	1.0	0.0
2	P1	1	0	-	3	7	7	10	0.3	0.0
3	P2	1	0	-	10	10	10	20	0.5	0.0
4	P3	1	0	-	2	20	20	22	0.0909090...	0.0

Process	Wait time
P0	0
P1	7
P2	10
P3	20
Avg. waittime	9.25
Avg. Turnaround time	14.75
Avg. Response Time	9.25

2. SJFS

Non-Premptive





Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 10.25

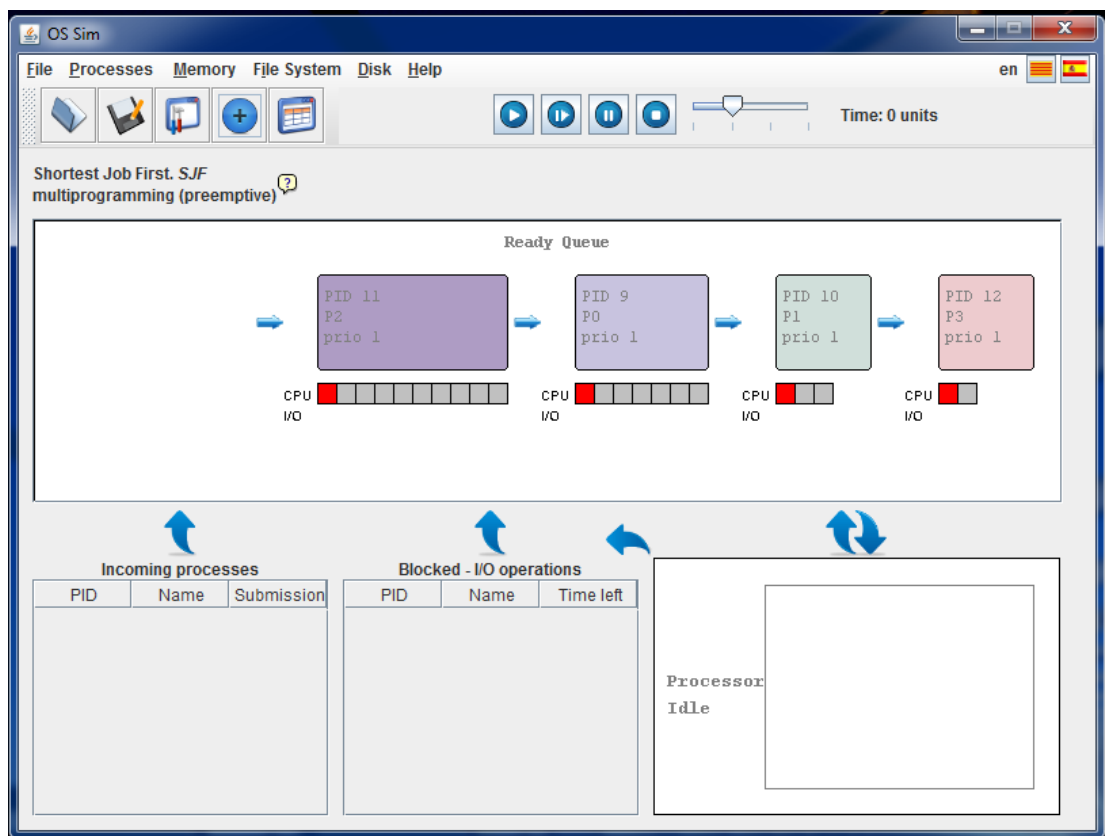
Avg. Waiting Time (time) 4.75

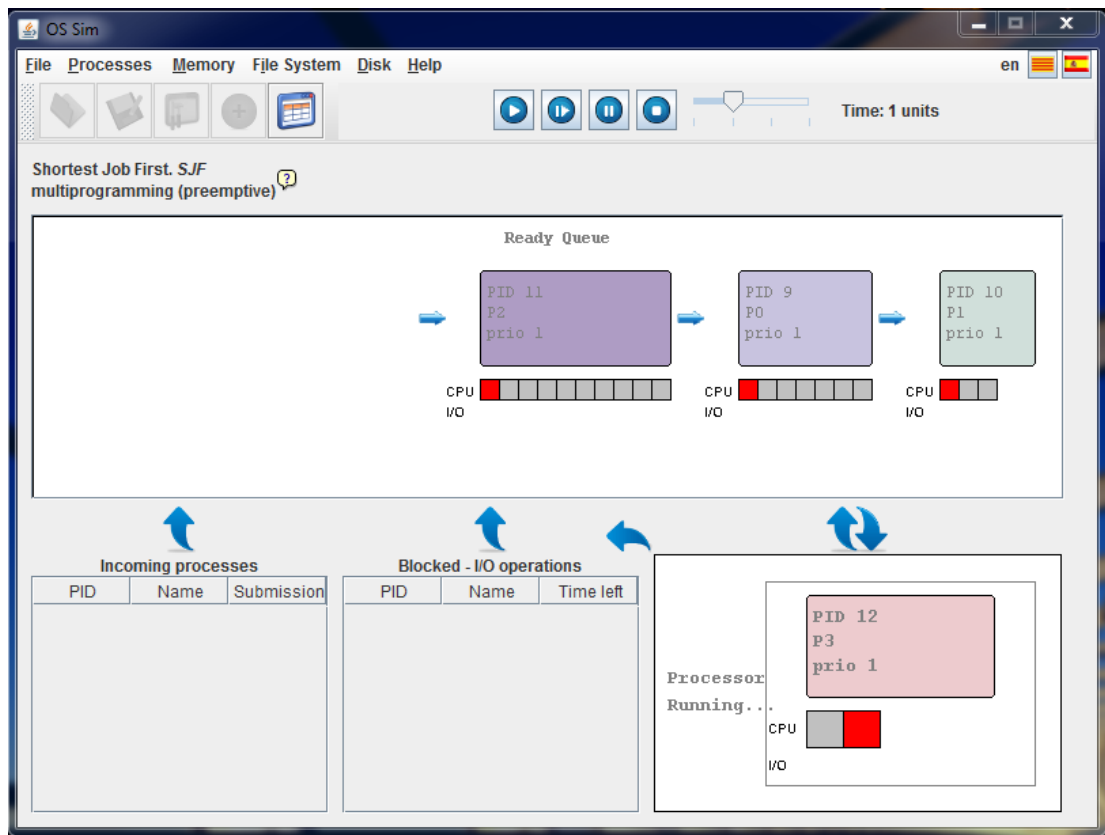
Avg. Response Time (time) 4.75

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
8	P3	1	0	-	2	0	0	2	1.0	0.0
6	P1	1	0	-	3	2	2	5	0.6	0.0
5	P0	1	0	-	7	5	5	12	0.583333...	0.0
7	P2	1	0	-	10	12	12	22	0.454545...	0.0

Process	Wait time
P0	0
P1	2
P2	5
P3	12
Avg. waittime	4,75
Avg. Turnaround time	10.25
Avg. Response Time	4.75

Preemptive





Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 10.25

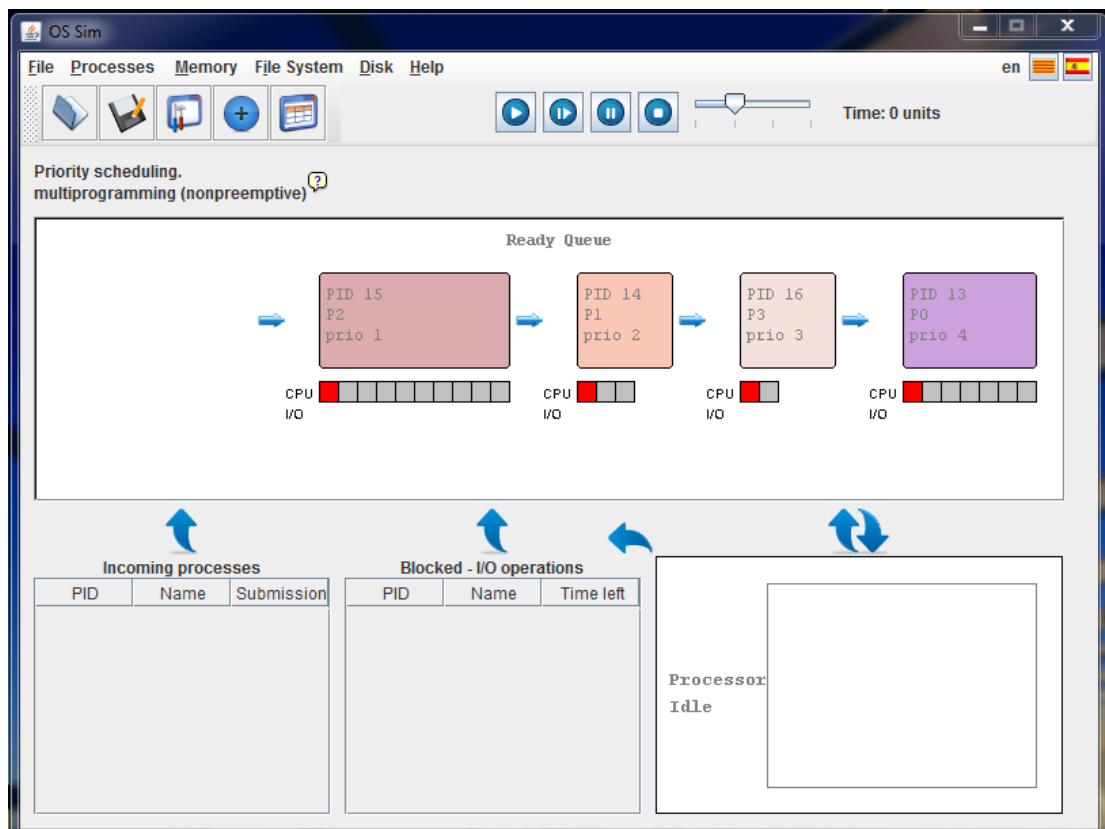
Avg. Waiting Time (time) 4.75

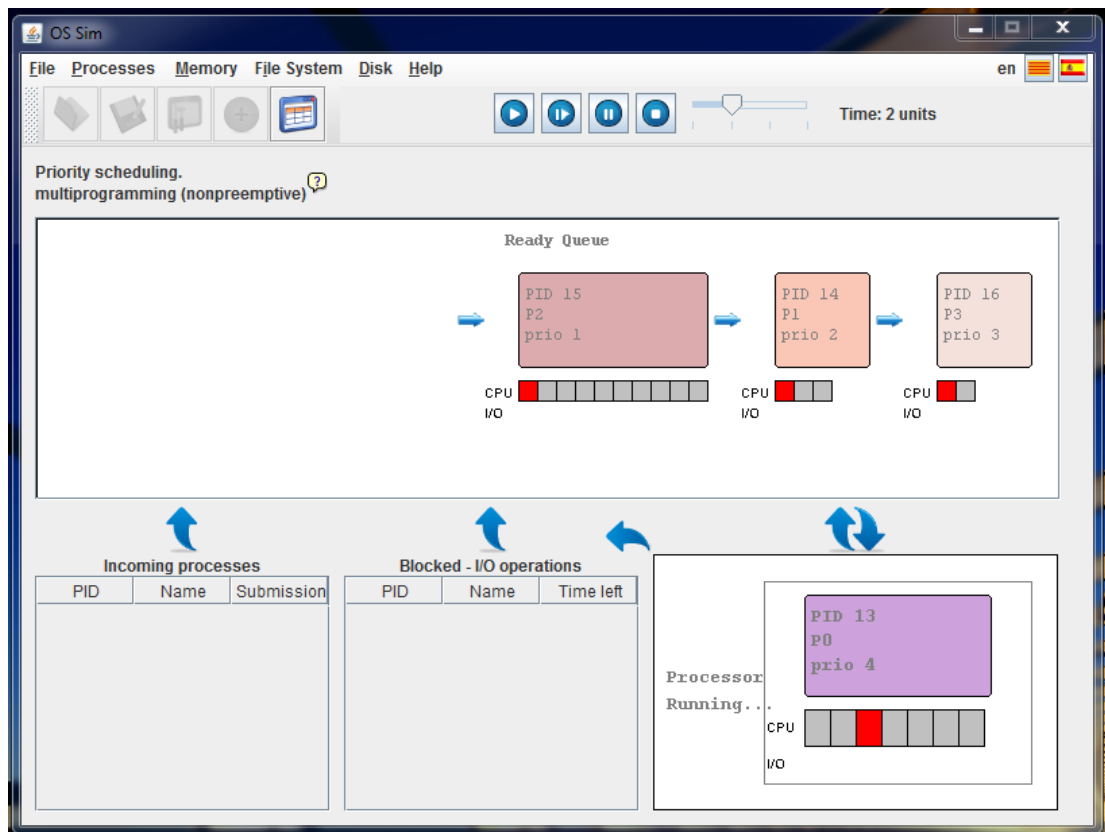
Avg. Response Time (time) 4.75

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% I/O
12	P3	1	0	-	2	0	0	2	1.0	0.0
10	P1	1	0	-	3	2	2	5	0.6	0.0
9	P0	1	0	-	7	5	5	12	0.583333...	0.0
11	P2	1	0	-	10	12	12	22	0.454545...	0.0

Process	Wait time
P0	0
P1	2
P2	5
P3	12
Avg. waittime	4,75
Avg. Turnaround time	10.25
Avg. Response Time	4.75

3. Priority Sceduling





Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 12.50

Avg. Waiting Time (time) 7.00

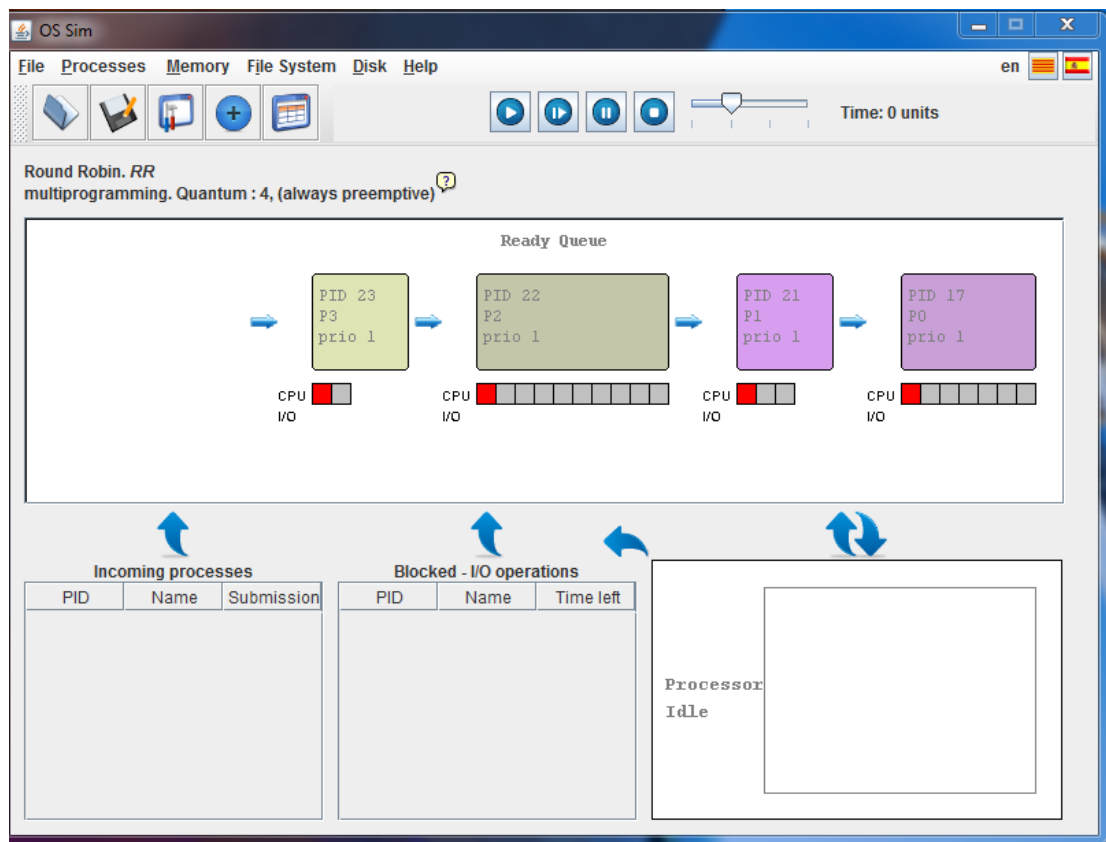
Avg. Response Time (time) 7.00

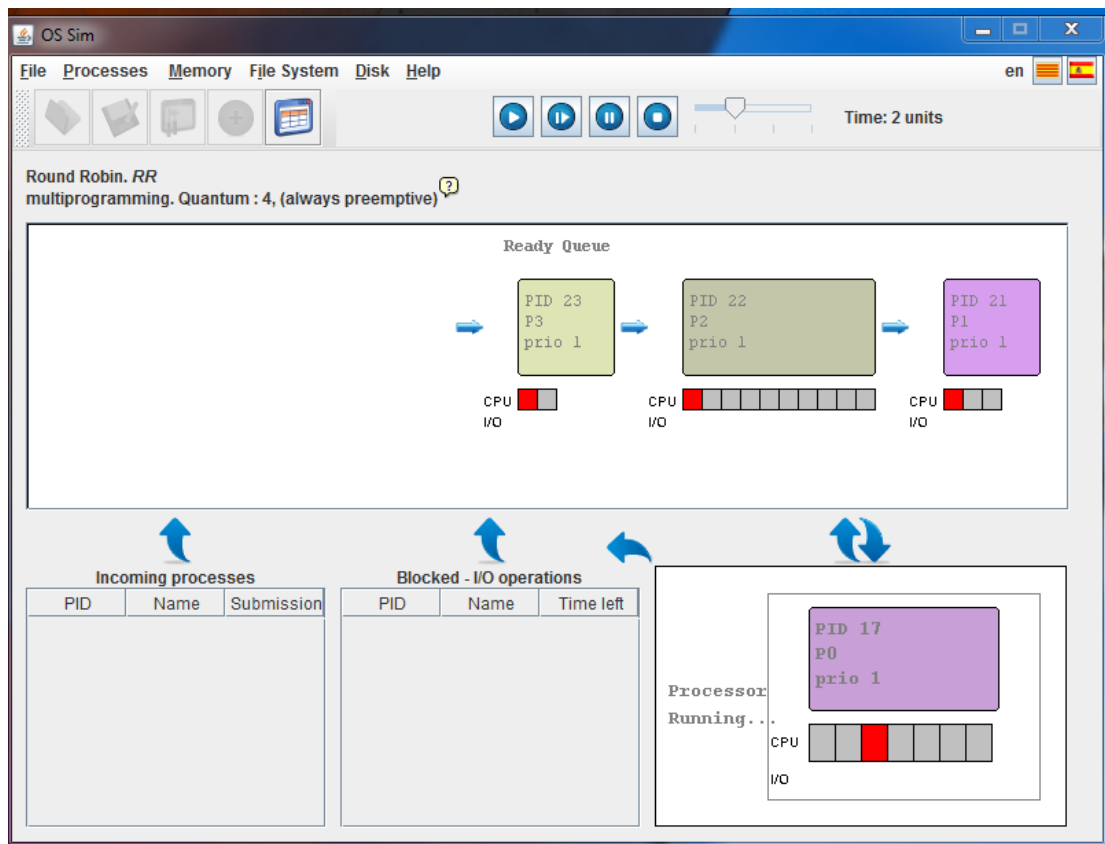
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
13	P0	4	0	-	7	0	0	7	1.0	0.0
16	P3	3	0	-	2	7	7	9	0.222222...	0.0
14	P1	2	0	-	3	9	9	12	0.25	0.0
15	P2	1	0	-	10	12	12	22	0.454545...	0.0

Process	Wait time
P0	0
P1	7
P2	9
P3	12
Avg. waitime	7.00
Avg. Turnaround time	12.50
Avg. Response Time	7.00

4. Round Robin

Quantum time = 4





Process Scheduling Information

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

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

Process	Wait time
P0	4
P1	11
P2	9
P3	12
Avg. waittime	9.00
Avg. Turnaround time	14.50
Avg. Response Time	5.50