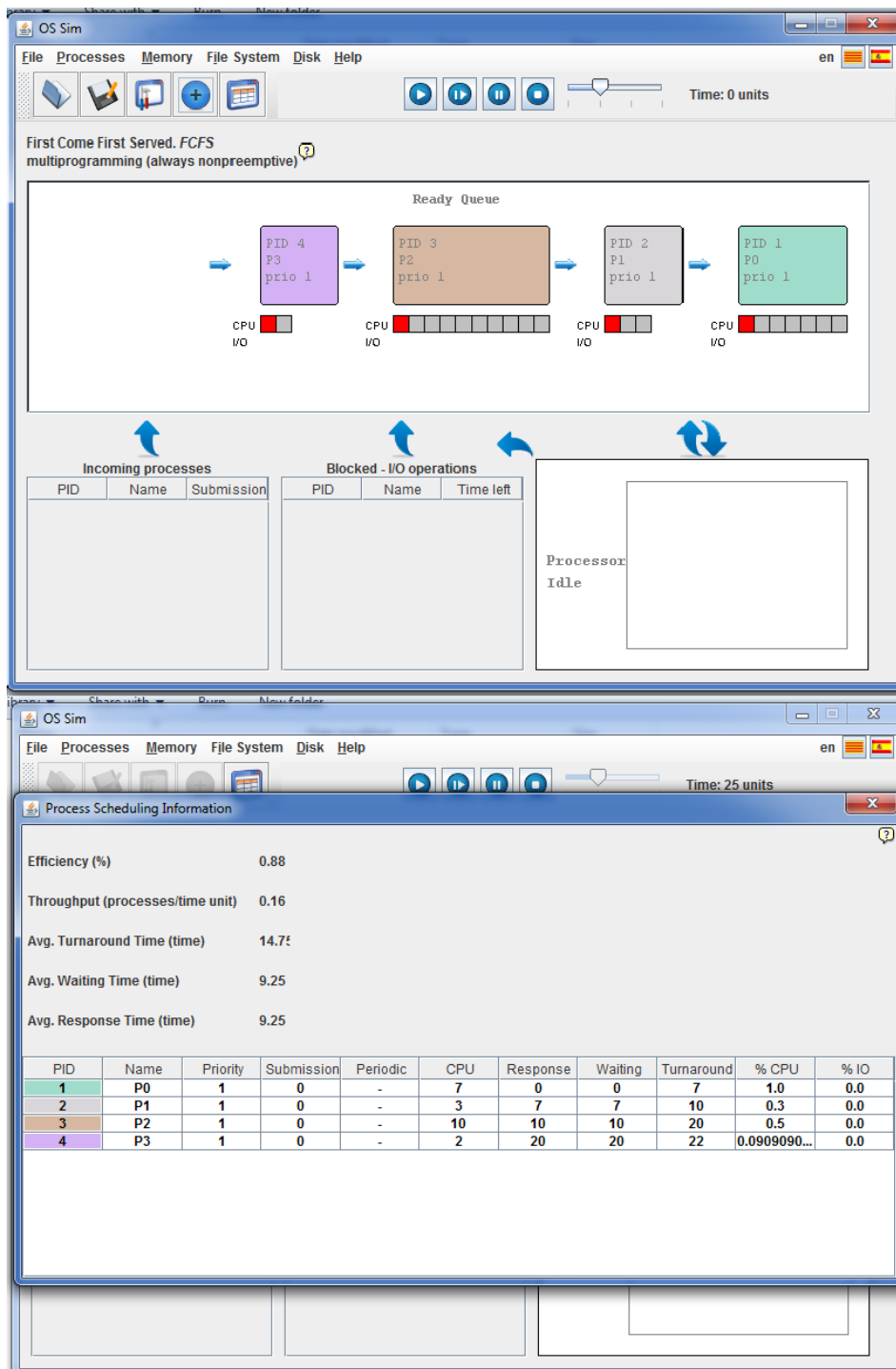


Nama : Nur Fadlilah Azzis  
 NIM : L200180113  
 Kelas : C

## Praktikum Sistem Operasi Modul 11

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

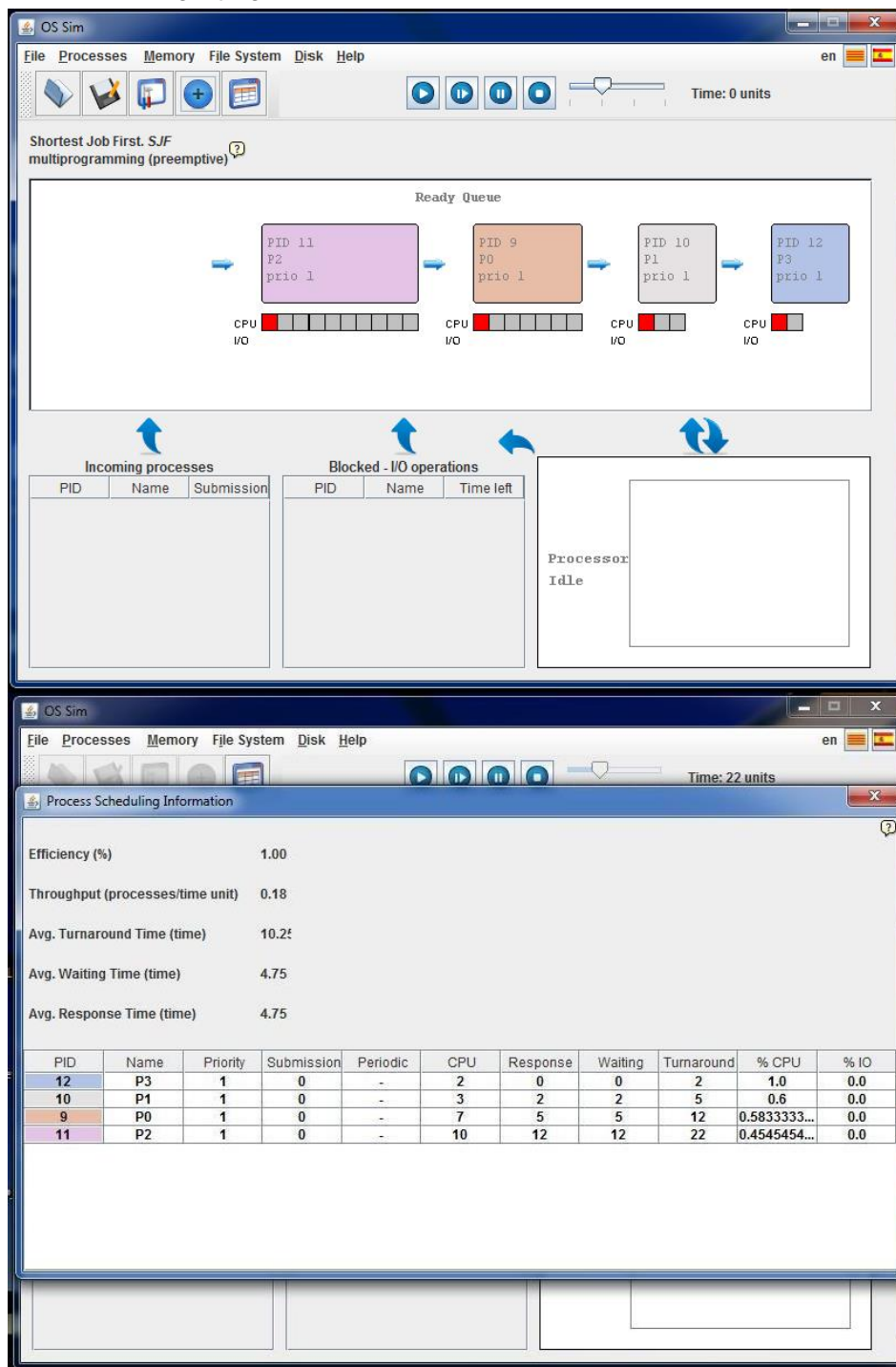
### A. FCFS



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

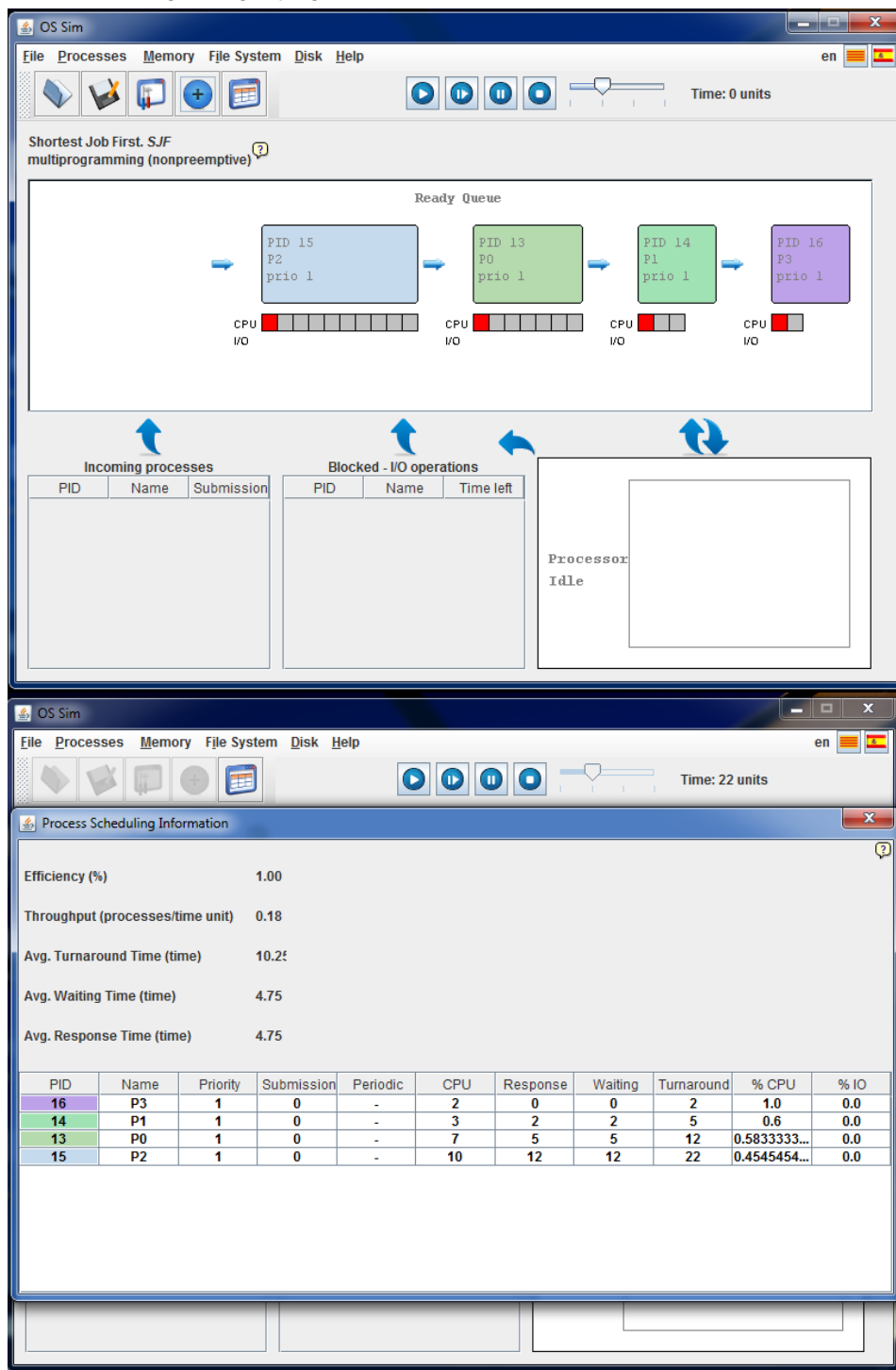
## B. SJFS

### • Premptive



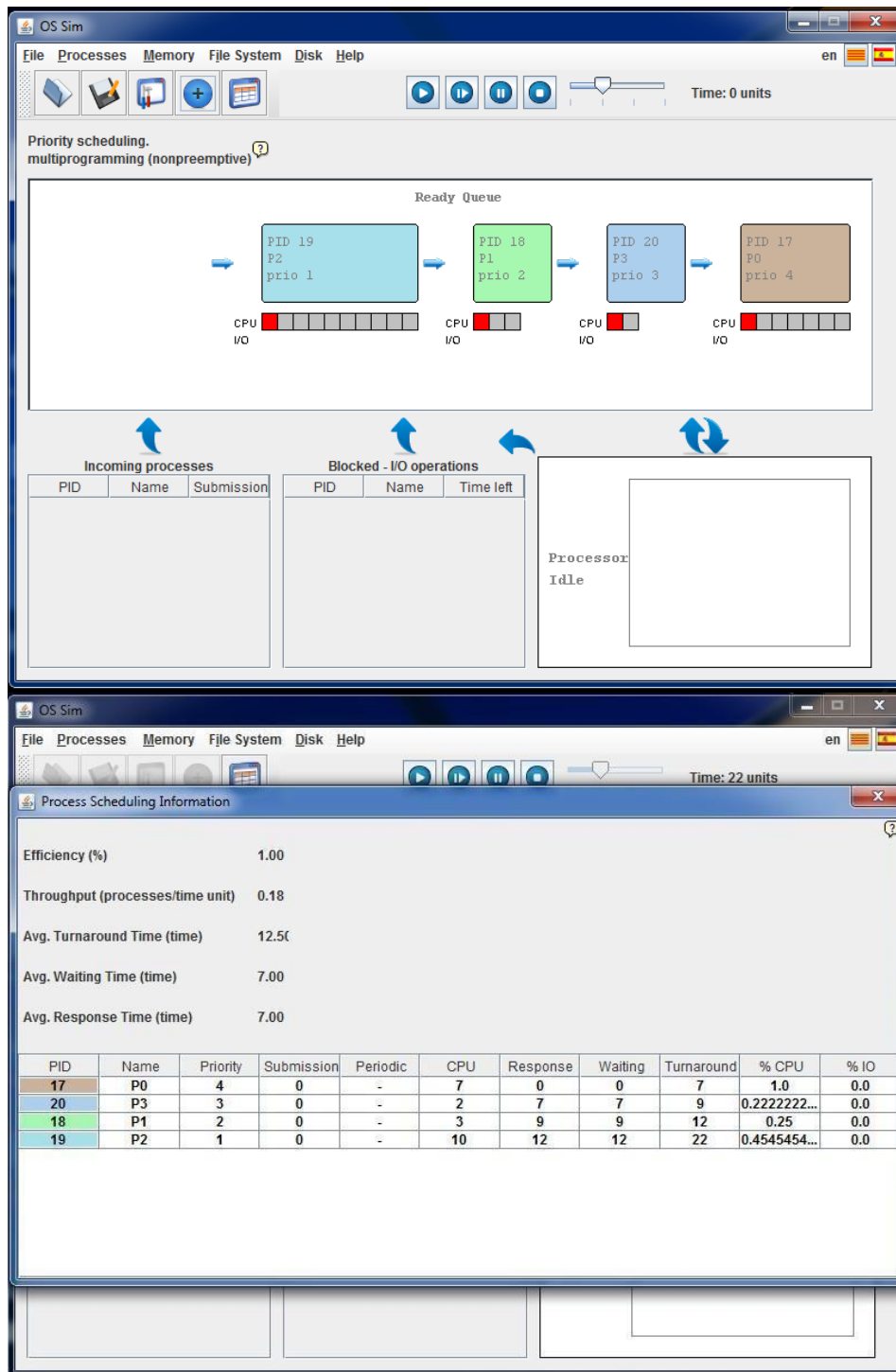
PROSES	WAIT TIME
P0	5
P1	2
P2	12
P3	0
AV. WAITING TIME	4.75
AV. TURNAROUND	10.25
AV. RESPONSE	4.75

- **Non-Premptive**



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)

OS Sim

File Processes Memory File System Disk Help

Round Robin, RR  
multiprogramming. Quantum : 4, (always preemptive)

Ready Queue

PID 24  
P3  
prio 1

PID 23  
P2  
prio 1

PID 22  
P1  
prio 1

PID 21  
P0  
prio 1

CPU I/O

Incoming processes

PID	Name	Submission

Blocked - I/O operations

PID	Name	Time left

Processor Idle

Time: 0 units

---

OS Sim

File Processes Memory File System Disk Help

Time: 22 units

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
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

PROSES	WAIT TIME
P0	9
P1	4
P2	12
P3	11
AV. WAITING TIME	9.00
AV. TURNAROUND	14.50
AV. RESPONSE	5.50