

Sistemas Informáticos (Computer Systems)

# Unit 03. Activities 01

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## UNIT 03. ACTIVITIES 01

### 1. EXERCISE 01

Try to think between those concepts and discuss them in forum:

- A. In a system with “Programmed I/O”, which process state/s are not necessary?
- B. In a system with two processors, which process state/s should be added?

### 2. EXERCISE 02

Investigate for Windows and Linux what is the best configuration of virtual memory and why. Be careful, there are a lot of old explanations in Internet that are wrong. Discuss your conclusion in the forum.

### 3. EXERCISE 03

If you have 3 processes P1, P2, P3 and P4:

Process	Arriving time	CPU
P1	1	7
P2	4	5
P3	3	1
P4	2	4

Show the result if “short term scheduler algorithm” is:

- A. FIFO
- B. SRTF
- C. Round robin with Quantum=1
- D. Round robin with Quantum=3