

Overview of your approach

Explain here a short overview of your structure/code (you can include figures).

Joker

We choose to use the joker for the multicore. The Program works with the multicore but the context switches are not efficiently handle.

Project Comprehension

Q) Assuming that there is no context switch time (set to 0) and all processes are equally important, what do you think is the best scheduling algorithm among the four proposed? Why?

The best scheduling algorithm will be the Round Robin with a short round robin slice. Indeed, the round robin algorithm avoids starvation and allows the same amount of time on the CPU for each process. The short slice will allow to have a good reactivity of the system if a new process arrive. Without context switch time, the round robin slice time can be minimal.

Q) Do you think this algorithm is implemented in most operating systems? Why?

We think that most operating systems are using the round robin algorithm with another algorithm to deal with the priority of the process.

Feedback

- Difficulty:
 - This project was more difficult than the others because we had to first understand the code by ourselves. However, the difficulty decreased as the time spent on the project increased.
 - The second main difficulty was to understand the statement. It was not clear on what we had to do for instance: handle the context switched efficiently.
- Amount of work:
- Other: What we were asked for was not very clear. We had to ask a lot of questions and read several times the assignment to understand what we were asked.