Multi-Tasking

Part C

I set my priorities as:

Task 1 = 10
Task 2 = 20
Task 3 = 30
Task 4 = 40
Task 5 = 50

I didn't see any difference in the output when changing the priorities. Specifically, the output looked like this:

```
xenomai@ieu:~/exercises/multi-tasking$ ./ex02c
task_1: argument = 10
task_2: argument = 20
task_3: argument = 7
task_4: argument = 65
task_5: argument = 2
```

I'm suspecting that the function is so short than it is able to execute and finish before the next task (one with a higher priority) is started.

I then added sleep(1) in the function and a sleep(3) at the end of main which causes a change in the output:

```
xenomai@ieu:~/exercises/multi-tasking$ ./ex02c
task_5: argument = 2
task_4: argument = 65
task_3: argument = 7
task_2: argument = 20
task_1: argument = 10
```

Now, you can see priority of the task. The tasks are started sequentially, but with the sleep(1), you can see low priority tasks be preempted by the higher priority ones.

Part D

Important to remember that time inputs to rt_task functions are in nanoseconds.

You can either put the rt_task_set_periodic statement in either the function or the main. I placed mine in the main because it seemed to make more sense to me in this case.