

- Why is "matrixtask" using most of the CPU utilization?

Because it's executing multiplication operation consuming more machine cycles of CPU and it's priority is also much higher than second task.

- Why must the priority of "communicationtask" increase in order for it to work properly ?

By increasing the priority of communicationtask the RTOS scheduler allocates more time to the task for execution so that it executes completely before the deadline .

- What happens to the completion time of "matrixtask" when the priority of "communicationtask" is increased?

The completion time of "matrixtask" is increased when priority of communicationtask is increased.

- How many seconds is the period of "matrixtask"?

101 seconds is the period of "matrixtask".

