

Input/Output Example related to Assignment 03

The following is an example of an input pattern and the corresponding response of the simulation.

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                                -- Input --
?> Number of different resource types: 4
?> Names of each resource type: CPU A B C
?> Number of instances of each resource type: 3 2 4 1

?> Number of processes: 3
?> Details of process-1: P1 1 2 1 1 10 5
?> Details of process-2: P2 1 1 0 1 12 7
?> Details of process-3: P3 1 0 3 0 14 3

                                -- Output --
?> Simulation time: 0
?> Simulation has been started.
?> No process is available.

?> Simulation time: 10
?> Process P1 has just arrived at the system.
?> Process P1 has just started execution.

?> Simulation time: 12
?> Process P1 is running.
?> Process P2 has just arrived at the system.
?> Process P2 is waiting for resources.

?> Simulation time: 14
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?> Process P1 is running.
?> Process P2 is waiting for resources.
?> Process P3 has just arrived at the system.
?> Process P3 has just started execution.

?> Simulation time: 15
?> Process P1 has just been finished.
?> Process P2 has just started execution.
?> Process P3 is running.

?> Simulation time: 17
?> Process P2 is running.
?> Process P3 has just been finished.

?> Simulation time: 22
?> Process P2 has just been finished.
?> No process is available for execution, system is idle.
?> Simulation is ended.
```