Exercise 13: Multi-level Feedback Queues

Started: Nov 4 at 10:11am

Quiz Instructions

Consider a multi-level feedback queue scheduler where the first two rules are specified below. (A and B are processes)

There are three queues labeled by their priority: High, Medium, Low

- Rule 1: If Priority(A) > Priority(B), A runs (B does not).
- Rule 2: If Priority(A) = Priority(B), A and B run in round-robin fashion using the time slice (quantum length) of the given queue.

These two rules are not sufficient to fully describe the algorithm, so we need to come up with some additional rules.

For each of the questions below, define a new rule that will address the question

Question 1 — 0 pts

In which queue should a job start when it enters the system?

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12pt Paragraph

p 0 words

Question 2 — 1 pts

What event causes a job to move to a lower-priority queue?

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Question 3 1 pts

How does the algorithm prevent starvation?

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Question 4 1 pts

What type of processes are given high priority? Explain to your neighbour why that is.

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