



Scheduling Algorithms

(Multilevel Feedback-Queue Scheduling)





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Scheduling Algorithms (Multilevel Feedback-Queue Scheduling)

The multilevel feedback-queue scheduling algorithm allows a process to move between queues.

- The idea is to separate processes according to the characteristics of their CPU bursts.
- If a process uses too much CPU time, it will be moved to a lower-priority queue.
- This scheme leaves I/O-bound and interactive processes in the higher-priority queues.

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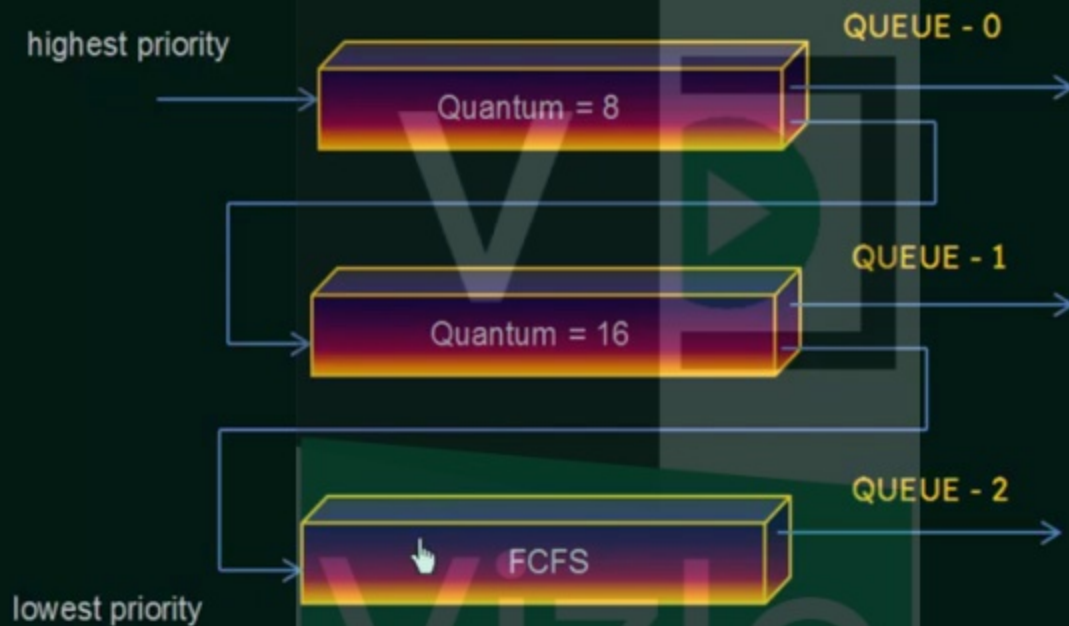


Figure: Multilevel feedback queues

In general, a multilevel feedback-queue scheduler is defined by the following parameters:

- The number of queues
- The scheduling algorithm for each queue
- The method used to determine when to upgrade a process to a higher priority queue

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