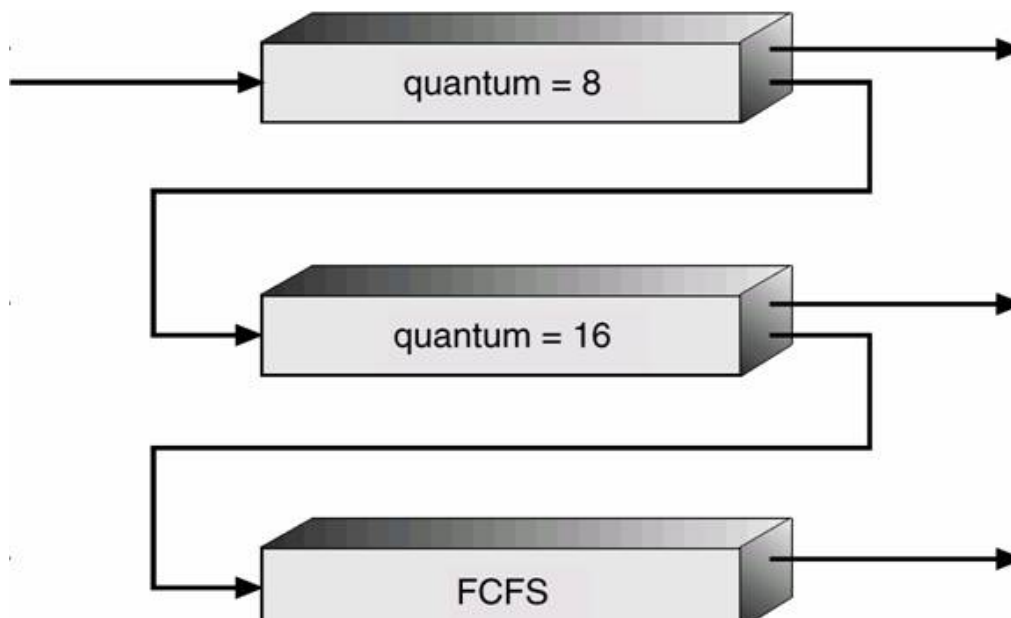


Multilevel Feedback Queue

A process can move between the various queues; aging can be implemented this way. Multilevel-feedback-queue scheduler defined by the following parameters:

1. number of queues
2. scheduling algorithms for each queue
3. method used to determine when to upgrade a process
4. method used to determine when to demote a process
5. method used to determine which queue a process will enter when that process needs service

Example of Multilevel Feedback Queue



Three queues:

1. Q0 – time quantum 8 milliseconds
2. Q1 – time quantum 16 milliseconds
3. Q2 – FCFS

Scheduling

1. A new job enters queue Q0 which is served FCFS. When it gains CPU, job receives 8 milliseconds.

If it does not finish in 8 milliseconds, job is moved to queue Q1.

2. At Q1 job is again served FCFS and receives 16 additional milliseconds. If it still does not complete,