Part 2: implementing a multilevel feedback queue (MFQS) Scheduler

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[ewerede@sig3 prog3]$ javac Scheduler.java
[ewerede@sig3 prog3]$ java Boot
threadOS ver 1.0:
Type ? for help
threadOS: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)
-->l Test2b
l Test2b
threadOS: a new thread (thread=Thread[Thread-5,5,main] tid=1 pid=0)
threadOS: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1)
threadOS: a new thread (thread=Thread[Thread-9,5,main] tid=3 pid=1)
threadOS: a new thread (thread=Thread[Thread-11,5,main] tid=4 pid=1)
threadOS: a new thread (thread=Thread[Thread-13,5,main] tid=5 pid=1)
threadOS: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1)
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e]: response time = 2500 turnaround time = 2901 execution time
= 401
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
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Thread[a] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b]: response time = 999 turnaround time = 5401 execution time =
4402
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
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Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
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Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c]: response time = 1499 turnaround time = 15404 execution time
= 13905
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a]: response time = 498 turnaround time = 23404 execution time
= 22906
Thread[d] is running
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```
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d]: response time = 2000 turnaround time = 30403 execution time
= 28403
Test2b finished
-->l Test2
l Test2
threadOS: a new thread (thread=Thread[Thread-17,5,main] tid=7 pid=0)
threadOS: a new thread (thread=Thread[Thread-19,5,main] tid=8 pid=7)
threadOS: a new thread (thread=Thread[Thread-21,5,main] tid=9 pid=7)
threadOS: a new thread (thread=Thread[Thread-23,5,main] tid=10 pid=7)
threadOS: a new thread (thread=Thread[Thread-25,5,main] tid=11 pid=7)
threadOS: a new thread (thread=Thread[Thread-27,5,main] tid=12 pid=7)
Thread[e]: response time = 2500 turnaround time = 2900 execution time
= 400
Thread[b]: response time = 1000 turnaround time = 5401 execution time
= 4401
Thread[c]: response time = 1499 turnaround time = 15407 execution time
= 13908
Thread[a]: response time = 499 turnaround time = 23409 execution time
= 22910
Thread[d]: response time = 1999 turnaround time = 30307 execution time
= 28308
-->
```