MFQ Scheduler

```
threadOS: a new thread (thread=Thread[Thread-5,5,main]
                                                                                       Thread[a] is running
threadOS: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1)
threadOS: a new thread (thread=Ihread[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) thread[a] is running
                                                                                       Thread[c] is running
                                                                                        [hread[d] is running
Thread[a] is running
Thread[a] is running
                                                                                        [hread[d] is running
Thread[a] is running
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Thread[a] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b]
           is running
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Thread[b] is running
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Thread[c] is running Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[d] is running
                                                                                        [hread[c] is running
Thread[d] is running
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Thread[d] is running
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Thread[d] is running
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Thread[d] is running
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Thread[e] is running
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Thread[e] is running
Thread[e] is running
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Thread[e] is running
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Thread[e] is running
Thread[a] is running
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Thread[a] is running
Thread[a] is running
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Thread[a] is running
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Thread[a] is running
                                                                                       Thread[c]: response time = 1497 turnaround time = 17513 execution time = 16016
Thread[b] is running
                                                                                       Thread[d] is running
Thread[b] is running
                                                                                        [hread[d] is running
Thread[b] is running
                                                                                       Thread[d] is running
Thread[b] is running
                                                                                        [hread[d] is running
Thread[b] is running
                                                                                        [hread[d] is running
Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
Thread[c] is running
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Thread[d] is running
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Thread[d] is running
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Thread[e]: response time = 2499 turnaround time = 6000 execution time = 3501
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                       Thread[a] is running
Thread[a] is running
                                                                                        [hread[a] is running
Thread[a] is running
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Thread[a] is running
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Thread[a] is running
Thread[b]: response time = 996 turnaround time = 7501 execution time = 6505
                                                                                       Thread[a] is running
Thread[c] 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[a] is running
Thread[d] is running
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Thread[d] is running
                                                                                       Thread[a]: response time = 496 turnaround time = 23417 execution time = 22921
Thread[a] is running
Thread[a]
          is running
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                        [hread[d] is running
Thread[a] is running
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Thread[a] is running
                                                                                        [hread[d] is running
Thread[c] is running
                                                                                       Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d]
                                                                                       Thread[d] is running
          is running
Thread[d] is running
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Thread[d]
          is running
Thread[a] is running
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                        [hread[d] is running
Thread[a] is running
                                                                                       Thread[d]: response time = 1999 turnaround time = 27919 execution time = 25920
Thread[a] is running
                                                                                       Test2b finished
```

Round Robin Scheduler

```
threadOS: a new thread (thread=Thread[Thread-5,5,main]
                                                                                                                                       Thread[a] is running
threadOS: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1) threadOS: a new thread (thread=Thread[Thread-7,5,main] tid=2 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) ThreadOS: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1) ThreadOS: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1)
                                                                                                                                      Thread[a] is running
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 Thread[a] is running
 Thread[a] is running
Thread[a] is running
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 Thread[a] is running
Thread[a] is running
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Thread[c] is running
Thread[c] is running
Thread[c] is running
 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[c] is running
                                                                                                                                      Thread[c] is running
                                                                                                                                      Thread[d] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
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Thread[b] is running
Thread[b] is running
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Thread[b] is running
Thread[b] is running
Thread[b] is running
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Thread[b] is running Thread[c] is running Thread[d] is running Thread[d] is running
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 Thread[d] is running
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  hread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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                                                                                                                                      Thread[c]: response time = 3996 turnaround time = 19503 execution time = 15507
                                                                                                                                      Thread[d] is running
  Thread[d] is running
                                                                                                                                      Thread[d] is running
  Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[e] is running
Thread[e] is running
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 Thread[e] is running
Thread[e] is running
Thread[e] is running
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  Thread[e]: response time = 5998 turnaround time = 6498 execution time = 500
                                                                                                                                      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[b] running
                                                                                                                                       Thread[a] is running
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Thread[a] is running
Thread[b]: response time = 2996 turnaround time = 9499 execution time = 6503
Thread[c] is running
Thread[d] is running
Thread[d] is running
                                                                                                                                     Thread[a] is running
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Thread[d] is running
                                                                                                                                      Thread[a]: response time = 1996 turnaround time = 26506 execution time = 24510
Thread[d] is running
Thread[d] is running
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 Thread[d] is running
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 Thread[d] is running
  hread[d] is running
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  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
  hread[a] is running
                                                                                                                                      Thread[d] is running
  Thread[a] is running
                                                                                                                                      Thread[d] is running
 Thread[a] is running
                                                                                                                                      Thread[d]: response time = 4997 turnaround time = 29505 execution time = 24508
Thread[a] is running
Thread[a] is running
                                                                                                                                       Test2b finished
```

PRI Scheduler

```
threadOS: a new thread (thread=Thread[Thread-5,2,main]
                                                                                       Thread[e] is running
threadOS: a new thread (thread=Thread[Thread-7,2,main] tid=1 pid=1)
threadOS: a new thread (thread=Thread[Thread-7,2,main] tid=2 pid=1)
threadOS: a new thread (thread=Thread[Thread-11,2,main] tid=4 pid=1)
                                                                                       Thread[d] is running
Thread[c] is running
Thread[a] is running
hreadOS: a new thread (thread=Thread[Thread-13,2,main] tid=5 pid=1)
                                                                                       Thread[e] is running
threadOS: a new thread (thread=Thread[Thread-15,2,main] tid=6 pid=1)
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                       Thread[c] is running
Thread[a] is running
Thread[a] is running
[hread[a] is running
[hread[a] is running
                                                                                       Thread[e] is running
hread[a] is running
                                                                                       Thread[d] is running
                                                                                       Thread[c] is running
Thread[a] is running
[hread[a] is running
Thread[a] is running
Thread[a] is running
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Thread[a] is running
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[hread[a] is running
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[hread[b] is running
Thread[a] is running
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Thread[b] is running
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                       Thread[c] is running Thread[a] is running
[hread[b] is running
[hread[a] is running
hread[b] is running
                                                                                       Thread[e]: response time = 5998 turnaround time = 6498 execution time = 500
Thread[a] is running
                                                                                       Thread[d] is running
Thread[b] is running
                                                                                       Thread[c] is running
Thread[a] is running
Thread[a] is running
Thread[b] is running
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[hread[a] is running
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[hread[b] is running
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hread[a] is running
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Thread[c] is running
[hread[b] is running
Thread[a] is running
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Thread[b] is running
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Thread[a] is running
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hread[b] is running
hread[a] is running
[hread[c] is running
                                                                                       Thread[d] is running
Thread[b]: response time = 2997 turnaround time = 3999 execution time = 1002
                                                                                       Thread[c] is running
Thread[a] is running
                                                                                       Thread[a] is running
[hread[c] is running
                                                                                       Thread[d] is running
Thread[a] is running
                                                                                       Thread[c]: response time = 3999 turnaround time = 7004 execution time = 3005
hread[c] is running
                                                                                       Thread[a]: response time = 1997 turnaround time = 7004 execution time = 5007
Thread[a] is running
                                                                                       Thread[d] is running
Thread[c] is running
                                                                                       Thread[d] is running
Thread[a] is running
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Thread[c] is running
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[hread[a] is running
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[hread[c] is running
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Thread[d] is running
Thread[a] is running
[hread[c] is running
Thread[a] is running
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hread[c] is running
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[hread[a] is running
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hread[c] is running
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hread[a] is running
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[hread[c] is running
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Thread[a] is running
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Thread[d] is running
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[hread[c] is running
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[hread[a] is running
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hread[d] is running
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[hread[c] is running
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Thread[a] is running
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Thread[d] is running
Thread[c] is running
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[hread[a] is running
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[hread[d] is running
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[hread[c] is running
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Thread[c] is running
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Thread[a] is running
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hread[d] is running
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hread[c] is running
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[hread[a] is running
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Thread[d] is running
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Thread[c] is running
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[hread[a] is running
                                                                                       Thread[d] is running
[hread[d] is running
hread[c] is running
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Thread[a] is running
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[hread[d] is running
                                                                                       Thread[d] is running
[hread[c] is running
                                                                                       Thread[d] is running
hread[a] is running
                                                                                       Thread[d] is running
hread[d] is running
                                                                                       Thread[d]: response time = 4997 turnaround time = 11008 execution time = 6011
hread[c] is running
                                                                                       Test2b finished
```