Solaris Scheduler

- Multilevel queue scheduler: 170 priorities (0-169)
  - High priority → short quantum

- Six scheduling classes
  - Each class has priorities and scheduling algorithms

1. **Time sharing** (0-59)
   Default class. Dynamic priorities via a
   multilevel feedback queue   *DEFAULT*

2. **Interactive** (0-59)
   Like TS but higher priority for in-focus
   windows in GUI

3. **Real-time** (100-159)
   Fixed priority, fixed time quantum; high priority
   values

4. **System** (60-99)
   Used to schedule kernel threads: run until
   they block or complete

5. **Fair share** (0-59)
   Processes scheduled on % of CPU

6. **Fixed priority** (0-59)
   Fixed priority

Highest priority (160-169): interrupt-handling threads

Solaris Scheduler

- Default class: time sharing
  - Multilevel feedback queue
  - Small time slice for high priority queue
  - Long time slice for low priority queue

- Interactive class: similar but gives windowing apps higher priority

- Highest priority: threads in the real-time class

- System class: runs kernel threads (scheduler & paging)
  - Not preempted

- Fair share: set of processes get a "CPU share"

- Fixed priority: like time-sharing but never adjusted

MLFQ

Multilevel Queues

Similar to Lottery

Multilevel Queues