

Problem Set 13

CS 311

Due Mar. 10, 2014

Due at the beginning of class in hardcopy.

Sections 6.4–6

1. Which of the following scheduling algorithms could result in starvation?
 - (a) First-come, first-served
 - (b) Shortest job first
 - (c) Round robin
 - (d) Priority
2. Discuss the tradeoffs between processor affinity and load balancing in a multiprocessor CPU scheduler.
3. Describe an actual, real-life example of a hard real-time system, paying particular attention as to why it has hard scheduling requirements.