

Problem Set 13

CS 411

Due at the beginning of class on the first class day of the following week.
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.