

**Due in class on Friday 20 October 2000**

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1. (Exercise 6.1 from OSC) What is the meaning of the term busy waiting...
2. (Exercise 6.11a from OSC, slightly rewritten) Consider a bounded-buffer monitor in which the buffers are embedded within the monitor itself. The strict mutual exclusion within the monitor makes it mainly suitable for small buffers. Explain.
3. (Exercise 5.10 from OSC) Explain the differences in the degree to which...
4. (counts double) Suppose there are five processes in the ready list with expected CPU burst times as follows (P0 is at the head of the list and P4 is at the tail): P0 350, P1 125, P2, 475, P3 250, P4 75. Draw a Gantt chart showing the resulting schedule **for a round robin scheduler with a time slice of 100**, give the wait time for each process, and compute the average wait time.  
**(Note: if you have already solved this problem with a different time slice, you do not have to redo the problem.)**