

**Due in class on Monday 22 March 1999
(note new due date)**

1. (Exercise 6.5 from *Distributed Operating Systems*)
2. Must the happened-before space-time diagram be acyclic? Explain your answer.
3. (Exercise 6.9 from *Distributed Operating Systems*)
4. The Ricart and Agrawala mutual-exclusion algorithm can cause a process that only occasionally wants to enter the critical section to waste a lot of time replying to messages from other processes. Explain why this is so, and suggest a solution to this problem.
5. (Exercise 6.36 from *Distributed Operating Systems*)