

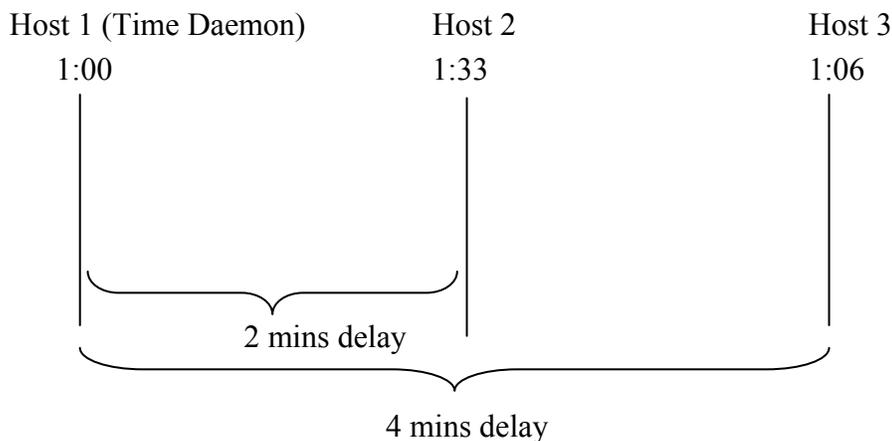
## Assignment 4 (5% of total grade)

### Instructions

Turn in hard copy of your answers at the beginning of next class. Late submission of assignment will not be accepted, no exceptions!

### Questions

1. Assuming your only design principle is to reduce the network traffic, what is the best code mobility technology to use? Justify. (1%)
2. What are some of the reasons for adapting the configuration or execution strategies of a distributed software system at run-time? Give concrete examples of possible adaptations for each of the reasons you identified. (1%)
3. What is the problem with a self-adaptive software system that adapts itself too frequently? Describe your answer via an example. (1%)
4. Show the Berkeley algorithm's execution in the following scenario? (1%)



5. Answer the question on page 36 of lecture 7 “do ||FACTORY1 and ||FACTORY2 have the same behavior?”. Justify your answer via two LTS graphs of the two composite FSP processes in question. No partial grade will be given to answers without an LTS graph. (1%)