

## Problem Set 2, Part b

**Due:** Thursday, October 6, 2005

Problem sets will be collected in class. Please hand in each problem on a separate page, with your name on it.

### Reading:

Sections 6.3.4 Section 7.1-7.3 (skip 7.3.4)  
Chapter 8.

**Reading for next week:** Finish or review Chapter 8.  
Chapter 14, 15.

### Problems:

1. Exercise 7.8.
2. Exercise 7.17.
3. Exercise 8.5. Please write your non-task code using the TIOA language (see Handout 11), but without using the timing features (don't include any trajectories). Don't worry about defining datatypes in vocabularies for this homework. Include the automaton tasks separately in your write-up.

While you will probably use most sections of Handout 11 by the end of the course, the most relevant sections for this homework will be Sections 2-4 (except 4.8). We are not asking you to run your non-task code through the TIOA front end for this homework, though it will be expected on subsequent homeworks. If you want to try using the TIOA front end now, you can find instructions for downloading and using it on the course website.