

91.301, Organization of Programming Languages  
Fall 2005, Prof. Yanco

**Problem Sets 6 and 7 (Condensed)**  
**Generic Operators, State and the Environment Model**

Out: Tuesday, 1 November 2005

Due: Thursday, 10 November 2005

Note: There will be no class on Tuesday, 8 November as it is a Friday schedule.

Reading: Sections 2.4, 2.5, 3.1 and 3.2.

For this assignment, you will need to use the code in the book in Section 2.5.1. You will find this code on the course web site. You do not need to submit this code with your assignment; just submit the code and test runs for the problems below. (I recommend that you keep two separate files: one for the book's code and another for your answers to the problems.)

Use the R5RS language in Dr. Scheme for this problem set.

Generic Operators

**Problem 1:** Exercise 2.76 on p. 187.

**Problem 2:** Exercise 2.77 on p. 192 – 193.

**Problem 3:** Exercise 2.79 on p. 193.

State and the Environment Model

**Problem 4:** Exercise 3.3 on p. 225.

**Problem 5:** Exercise 3.4 on p. 225.

**Problem 6:** Exercise 3.8 on p. 236.

**Problem 7:** Exercise 3.11 on p. 251.