

91.301, Organization of Programming Languages  
Spring 2006, Prof. Yanco

**Problem Set 8**  
**Mutation, State and the Environment Model**

Out: Tuesday, 4 April 2006

Due: Tuesday, 11 April 2006

Reading: Sections 3.1–3.3.

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

**Problem 1:** Exercise 3.1 on p. 224.

**Problem 2:** Exercise 3.2 on p. 224-225.

**Problem 3:** Exercise 3.3 on p. 225.

**Problem 4:** Exercise 3.7 on p. 236.

**Problem 5:** Exercise 3.8 on p. 236.

**Problem 6:** Exercise 3.10 on p. 248.

**Problem 7:** Exercise 3.12 on p. 255.

**Problem 8:** Exercise 3.14 on p. 256.

**Problem 9:** Exercise 3.16 on p. 259.

**Extra Credit:** Exercise 3.17 on p. 259.