

91.301, Organization of Programming Languages
Fall 2007, Prof. Yanco

Problem Set 5

Out: Thursday, 11 October 2007

Due: Thursday, 18 October 2007

Overview: In this problem set, you'll practice with accumulate and symbols.

Use the Textual language in DrScheme. Be sure to submit your homework electronically as well as in hardcopy.

Problem 1

Exercise 2.35 on p. 120.

Problem 2

Exercise 2.36 on p. 120.

Problem 3

Exercise 2.53 on p. 144.

Problem 4

Exercise 2.54 on p. 145. (Yes, equal? is built into scheme. In this exercise, you'll write your own version.)

Problem 5

Exercise 2.55 on p. 145.

For the next two problems, you can get the symbolic differentiation code on the course web page.

Problem 6

Exercise 2.57 on p. 151.

Problem 7

Exercise 2.58, a only, on p. 151.