Problem Set 5

Out: Thursday, 25 February 2010
Due: Thursday, 4 March 2010

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

Use the R5RS language in DrScheme.

Be sure to submit your homework electronically as well as in hardcopy – points will be deducted from your problem set if you do not submit electronically.

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.