CS 565 Out: January 16, 1997
Jens Palsberg Due: January 30, 1997

Homework 1:

Simple Scheme Programming

Do the Exercises 2.2.9, number 1, 4, 5, 6 in *EOPL* (pp. 54–55).

In doing the assignment, you may assume that the inputs to your functions have the correct type. This means that you need not check the inputs for validity. However, this also means that your function must behave gracefully (that is, not bomb) on all such inputs.

Your solution should consist of the required function definitions, including comments and any necessary auxiliary functions, and a suite of tests adequate to convince the grader that your solutions work correctly on all valid inputs.

You should turn both your solution and a transcript of your tests. The command `(transcript-on` *filename*`)` will make a transcript of your session on the given file. `(transcript-off)` ends transcription and closes the transcript file.

Note: You can "warm up" to doing the above exercises by doing some of the Exercises 2.2.7 and 2.2.8 in *EOPL* (pp. 50–54). You can find solutions to these exercises on the homepage for CS 565, Fall 1996.