CSC151.02 2013F, Class 30: Naming Local Procedures

Overview

- Preliminaries
  - Admin.
  - Questions on HW 7
- Why have local procedures.
- Lab.

Admin

- Welcome back! I hope you had a good break.
  - I spent my break trying to get the disk images working on Windows, doing some other development for Mediascript, helping a colleague with a programming problem, and grading for my other class. I have not caught up on grading for your class. (Our grader has also not caught up on grading.)
- The Windows Image works fine on a variety of machines, but not all.
- Reminder: HW 7 is due on Wednesday.
- Reminder: Exam 2 will be distributed this week.
- Lab writeup: Problem 4.
- Upcoming extra credit opportunities:
  - Tuesday, 7pm, Talk on The Hopkins Touch
  - Wednesday, Noon, Science 3821: Learn about study-abroad opportunities in CS in Budapest.
  - Friday, Noon, CS Table
  - Any one Grinnell prize event next week

Why have local procedures

- Sometimes we write a procedure, and it needs helpers.
  - If no one else needs those helper procedures, we shouldn’t need to document them
  - More importantly, we shouldn’t make them available to others, because they will confuse people
- One strategy: let or let*
- Problem: Won’t work for recursive procedures
- letrec

Lab