Lab 5 Honors

Do not submit either .scm files (for code) or text files (for written answers to questions) for each of the following.

Programs

1. If you wrote any code so far this semester using let, eval, or apply, be sure you can write the same functions without those crutches[1]. Using them on the exam will result in a very poor grade.

2. When does let make sense? Write two functions that use let in a reasonable way, and then rewrite them using the lambda translation of let. Test for yourself that the code produces the same results.

3. Find a hex partner. Print off only one page of hex paper for every two people, and then play two games of hex:

   http://en.wikipedia.org/wiki/Hex_(board_game)

   You should be able to fit at least nine 11x11 boards on one page - do not waste paper. Think about how you would code this game, but do not code it.

4. Make a schedule for your project and enter it on your wiki, giving dates and specific goals. For the next two weeks, break those goals down into sub-goals, with a paragraph describing how you plan to approach the task (this part will probably require research and thought). Be as specific as possible.

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[1] I asked you not to use them, and they have not been needed so far. They do have good uses, we just haven't seen them yet. To be clearer, let is often a crutch, but eval and apply are over-sized hammers.