

**HOMEWORK ASSIGNMENT 4A**

**DUE WEDNESDAY JULY 26, 2006 AT 11:59 PM**

Abelson and Sussman, exercises 2.75, 2.76, 2.77, 2.79, 2.80, 2.81, 2.83

Note: Some of these are thought-exercises; you neednt actually run any Scheme programs for them! (Some dont ask you to write procedures at all; others ask for modifications to a program that isnt online.)

- If you havent already finished this weeks lab exercises that involve the scheme-1 interpreter, do it now! **They are essential to your understanding!** Then write a `map` primitive for scheme-1 (call it `map-1` so you and Scheme dont get confused about which is which) that works correctly for all mapped procedures.
- Modify the scheme-1 interpreter to add the `let` special form. Hint: Like a procedure call, `let` will have to use `substitute` to replace certain variables with their values. Dont forget to evaluate the expressions that provide those values!