

Topic: Hierarchical data

Lectures: Monday 7/8, Tuesday 7/9

Reading: Abelson & Sussman, Section 2.2.2–2.2.3, 2.3.1, 2.3.3

Homework due 10 AM Monday, 7/15:

Abelson & Sussman, exercises 2.24, 2.26, 2.29, 2.30, 2.31, 2.32, 2.36, 2.37, 2.38, 2.54.

Some of these exercises are harder than they look; don't give up in frustration if your early attempts fail.

3. The list versions of **every** and **keep** are called **map** and **filter**. Can you use **map** to implement **filter**? If so, how? If not, why not?

Extra for experts:

Read section 2.3.4 and do exercises 2.67–2.72.

Unix feature of the assignment: **head**, **tail**, **more**, **less**, **cat**

Emacs feature of the assignment: **Ctrl-W**, **Ctrl-Y**; **M-x line-number-mode**