Today Space complexity. §§8.1–8.3.
Next class Review. Midterm exam 2 on 2013-04-18.

1. List the members of your group below. Underline your name.

2. Provide an example of a problem that is in PSPACE but not known to be in PTIME. Define the problem carefully, following the textbook's conventions, and justify your answer.

3. Solve the *ladder* problem from the textbook (Problem 8.9, p. 358).

4. Prove or disprove: NPSPACE = PSPACE.

5. Prove or disprove (separately): PSPACE is closed under

    (a) union

    (b) intersection

    (c) complementation

    (d) star (Kleene closure)