

CSE 322 Spring'07: HW 1
Due back Friday April 6th

Reading Assignment: Sipser Sections 1.1 and 1.2.

Practice Problems: Exercises 1.4, 1.5 and 1.6 from Sipser.

Problems for Submission:

1. Problem 1.12 (Only design the DFA, we haven't covered regular expressions yet).
2. Problem 1.14, part b.
3. Problem 1.48.
Hint: Find a simpler description of this language. It may help to look at examples of strings in the language and find some common patterns in them.
4. Problem 1.31.
Hint: Assume that A is accepted by a DFA. Design an NFA for A^R .