Regular Operations, Regular Expressions I

Reading: Reread section 1.2 (all); Read section 1.3 up to the bottom of p. 69 (including example 1.31).

Homework Assignment 7
Due: March 29, in class

Homeworks are due at the beginning of class on the due date. Late homeworks will not be graded for credit, but I will give comments and feedback on them.

Remember to read the descriptions carefully, and think about things that are not mentioned: e.g., if a string is described as containing at most one 1, it may contain no 1s at all; it may also contain any number of 0s!

1. Do Exercise 1.15 from Sipser. To help me with correcting, please write each regular expression along with your answers.

2. Draw NFAs for the language of each of the regular expressions in Sipser exercise 1.15.