

Homework 1

DUE DATE: **Wednesday, 2/8/2005**

Problem 1. For each of the following, design a finite state automaton that accepts exactly all string that have the described pattern. For this assignment, consider only strings with 0s and 1s.

- (a) String containing at least two 0s.
- (b) String containing at exactly two 0s.
- (c) String containing at at most two 0s.