



## 2. DFAs, Stage 2

Construct DFAs to recognize each of the following languages. Let  $\Sigma = \{0, 1\}$ .

(a) All strings which do not contain the substring 101.

(b) All strings containing at least two 0's and at most one 1.

(c) All strings containing an even number of 1's and an odd number of 0's and not containing the substring 10.