

Automata and formal languages

Exercise 3

1. Give DFAs accepting the following languages
(Over the alphabet $\{0, 1\}$):
 - (a) The language of all strings ending in 00.
 - (b) The language of all strings with three consecutive 0's.
2. For $\Sigma = \{a, b\}$, construct DFAs accepting the following languages:
 - (a) The language of all strings with exactly one a .
 - (b) The language of all strings with at least one a .
 - (c) The language of all strings with no more than three a 's