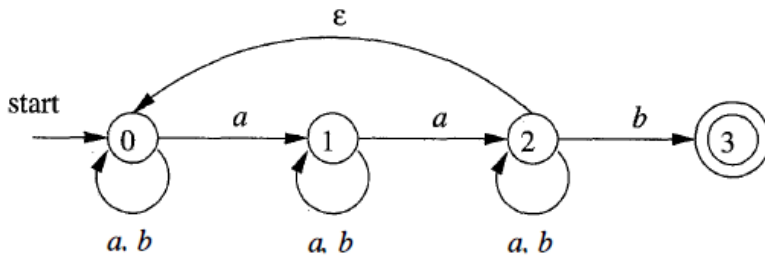


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Exercises for Section 3.7

Exercise 3.7.1: Convert to DFA's from the NFA's of:

b) Figure 3.29



Exercise 3.7.2: use Algorithm 3.22 to simulate the NFA's:

a) Figure 3.29.

Exercise 3.7.3: Convert the following regular expressions to deterministic finite automata, using algorithms 3.23 (The Thompson algorithm to convert a regular expression to an NFA) and 3.20 (The subset construction of a DFA from an NFA)

e) $(a|b)^*ba$.