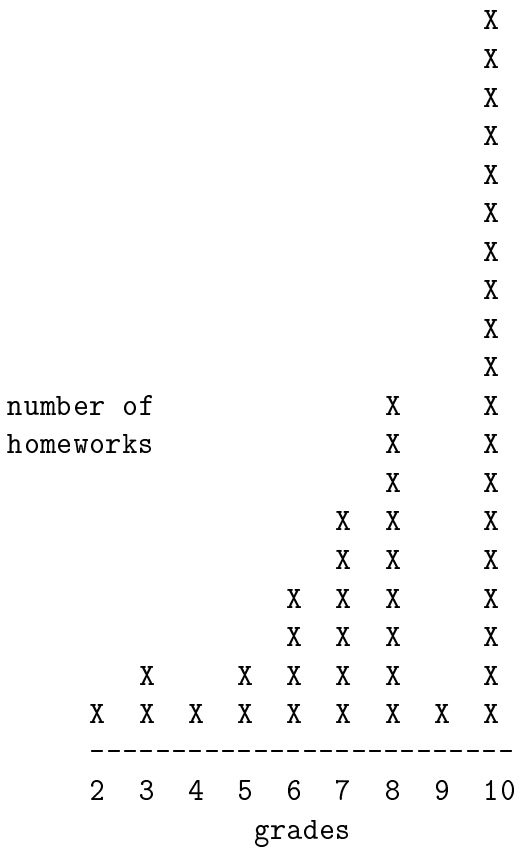
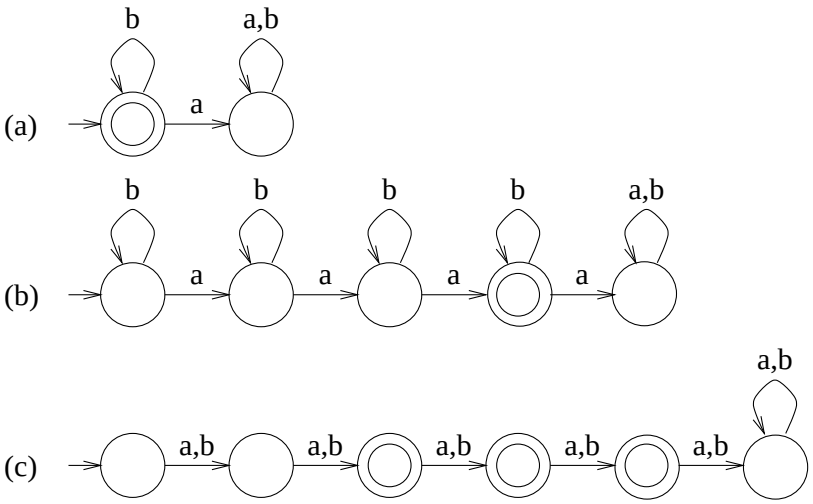
Automata Theory: Solutions 4

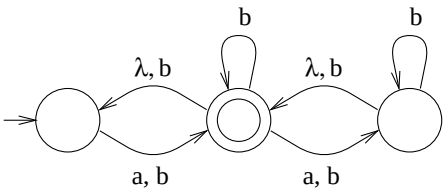
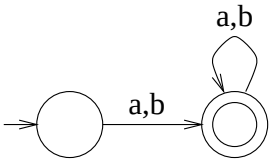


Problem 1
For each of the following languages on $\Sigma = \{a, b\}$, draw a DFA that accepts it.

(a) All strings that have no a's.
(b) All strings with three a's and any number of b's.
(c) All strings of lengths two, three, and four.



Problem 2
For the alphabet $\Sigma = \{a, b\}$, draw a DFA that is equivalent to the following NFA.



An equivalent deterministic accepter is as follows: