Automata Theory: Solutions 4

Problem 1
For each of the following three languages, draw a DFA that accepts it:

(a) All strings that have no $b$'s (note that it includes $\lambda$).
(b) All strings with at least two $a$'s and any number of $b$'s.
(c) All strings with at most two $a$'s and any number of $b$'s.

Problem 3
Draw a DFA that is equivalent to the following NFA:

An equivalent deterministic accepter is as follows: