1  NFAs to DFAs
Convert the following NFA to a DFA.

2  State minimization
Use the state minimization algorithm from lecture to minimize the following finite state machine.

3  Regular Expressions to NFAs
Using the constructions given in lecture, find nondeterministic finite-state automata that recognize each of these sets:

a) $0^*1^*$
b) $(0 \cup 11)^*$
4  FSAs to Regular Expressions
Convert the following DFA to a regular expression.