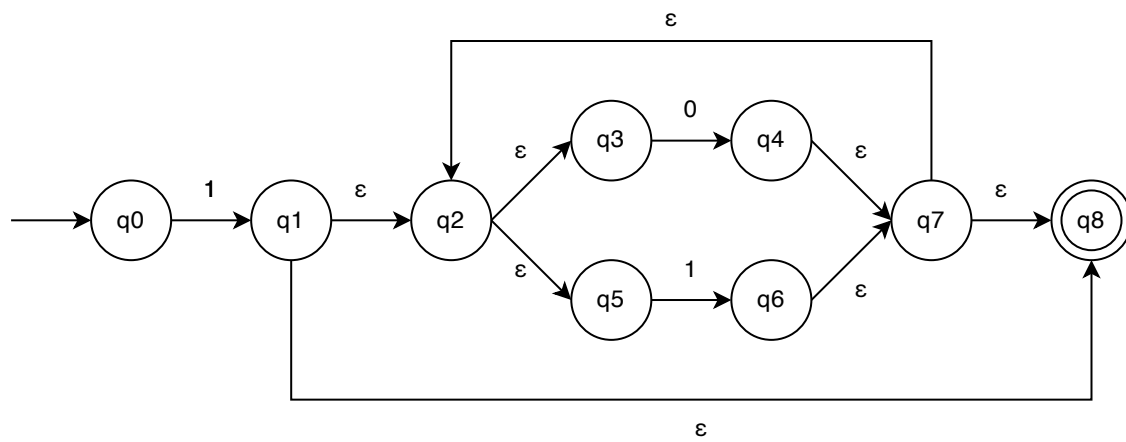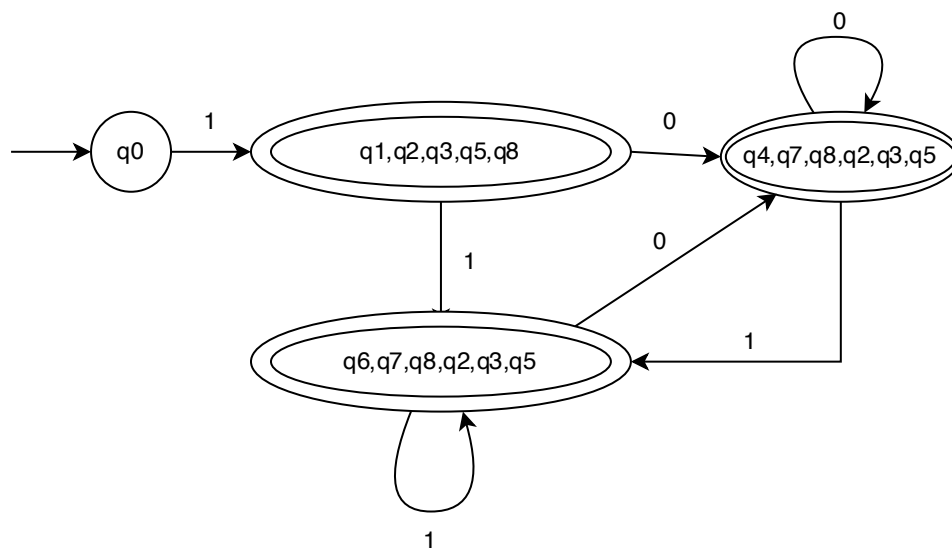# Question 1

(a) Use Thompson's construction to convert this regular expression into an NFA.

(b) Use the subset construction to convert the NFA of (a) into a DFA.

(c) Convert the DFA of (b) into a minimal-state DFA.