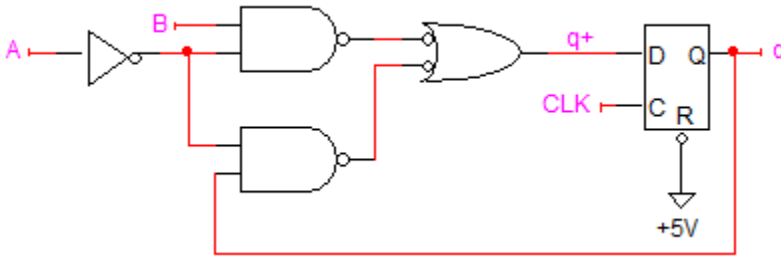CSC 137 Cokgor Homework 3 (5 points)

Consider the state machine circuit below:

1) Write the equation for q^+. (0.5 point)

2) Create the K-map for q^+. (1 point)

3) Create the state transition table using the K-map. (1.5 point)

4) Create the state transition diagram and explain the purpose of the circuit. (2 point)