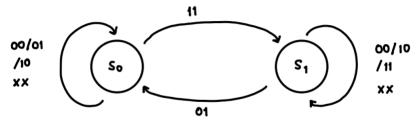
Laboratory 12: Understanding Registers - 1

a. Draw the state diagram for this circuit. Assume Q = 0 is S0 and Q = 1 is S1.



b. Derive the equation for Q+.

c. Simplify the equation using Karnaugh Maps.

d. Design the logic circuit inside the box.

