Quiz 5

Analyzing Synchronous Sequential Logic Circuits



The circuit shown in Figure 1 will be analyzed.

- 1) Find the Boolean functions of the flip-flop inputs (D0, D1, D2).
- 2) Find the Boolean functions of the output (Y).
- 3) Find the state equations for Q0, Q1, Q2. (Q=D, Q(t+1)=D)
- 4) Is this circuit a Mealy or Moore type machine?

