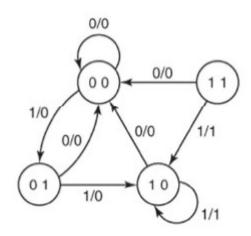


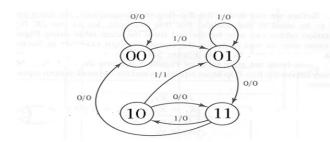
Digital Assignment - II

Sequential Logic Circuits

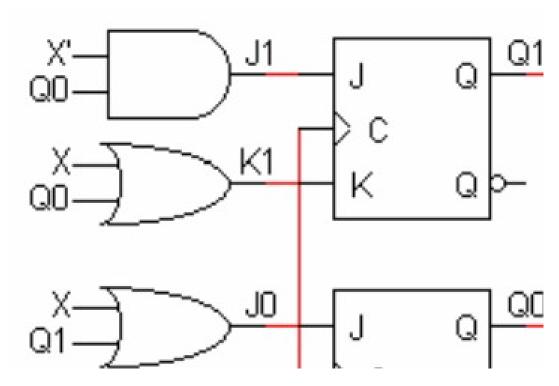
- 1) Verify the characteristic tables of SR, T,D and JK flip flop.
- 2)Design T flip flop using JK flip flop.
- 3)Find the state table and design a synchronous sequential circuit using JK flip flop for the following state diagram shown below.



4) Design a sequential logic circuit for the following state diagram.



5) Analyze the following circuit and derive the state diagram.



- 6) Design Mod8Asynchronous counter using JK flip flop
- 7) Design a Synchronous counter that has the following repeated binary sequence 1,2,5,7,1,2.... using T Flip flop
- 8) Verify the shift registers SISO, PISO, SIPO, PIPO for the following sequence 1010.