

Student's Name:

I.D.#:

Design a **synchronous sequential circuit** whose state diagram is given. Use JK flip flops.

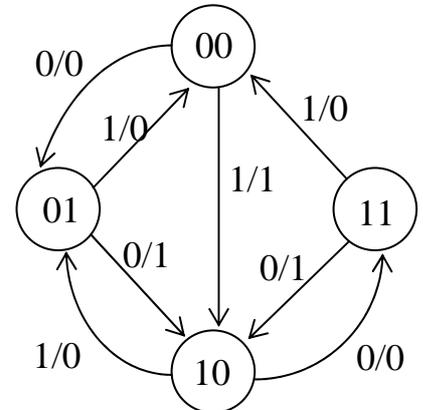
Answer the following:

What is the number of external inputs?

What is the number of flip-flops?

What is the number of outputs?

Obtain the state and the excitation tables of the circuit. Simplify the flip flop input functions and output functions. Draw the logic circuit.



Do not write below this line
