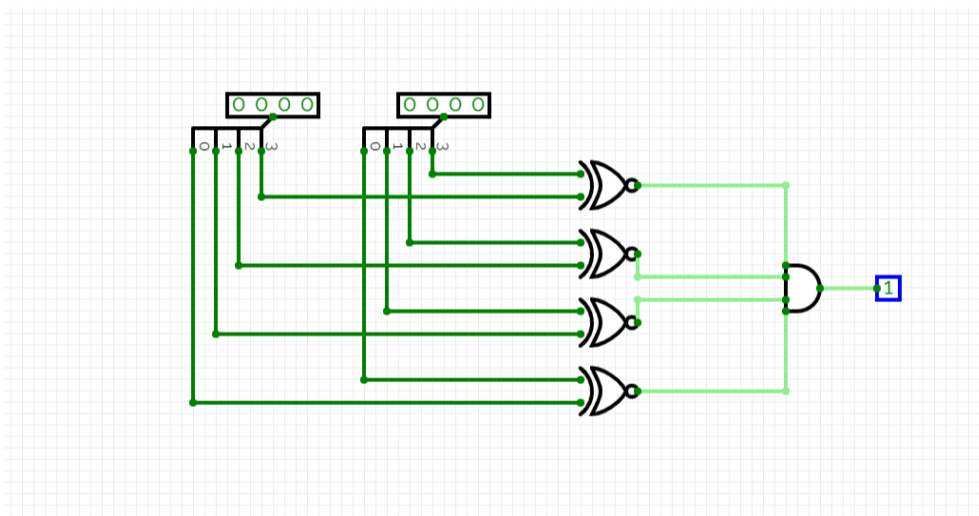*STATE DIAGRAM*

It did not mention Reset in the question, but I added it. Because the system needs to be reset.

The sub-circuit which I use in my circuit. It makes a comparison and outputs 1 if it is equal.

idle status of the circuit

when we enter "1,2,3,4" respectively