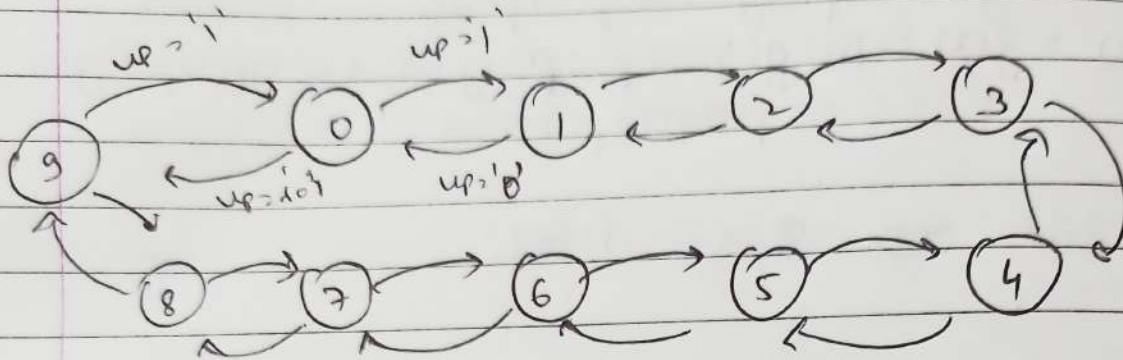


Lab 5

⑧ Mod 10 up Down counter;

In this I have created 10 states



In code for $up = '1'$,

In this case for state = "0000" I updated state to "0001" else ~~updated~~ increment state by 1.

for $up = '0'$, in state = "0000" I updated state = "1001" else ~~decre~~ state decremented state by 1.