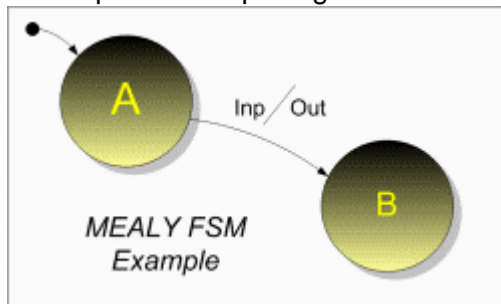
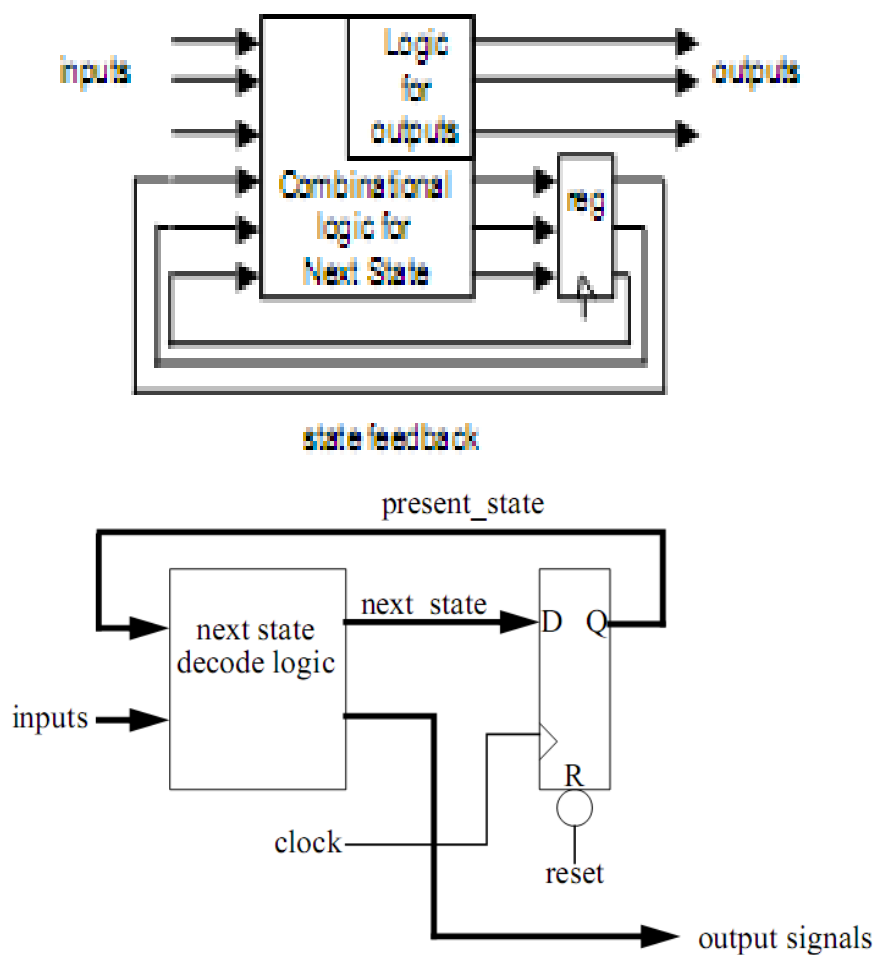


### ***A Mealy machine :***

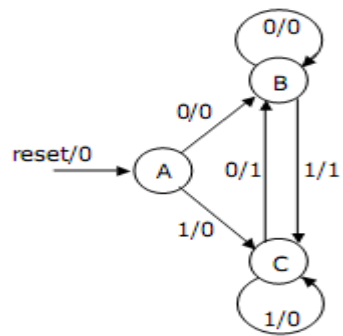
generates an output based on its current state and input. This means that the state diagram will include both input and output signals for each transition edge.



### **mealy circuit :**

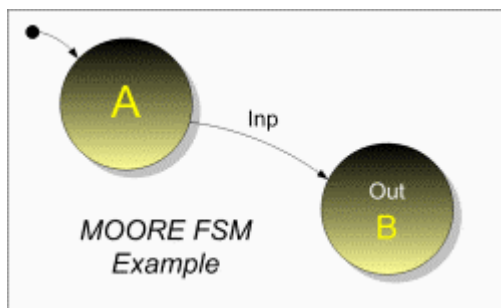


### Mealy State diagram :

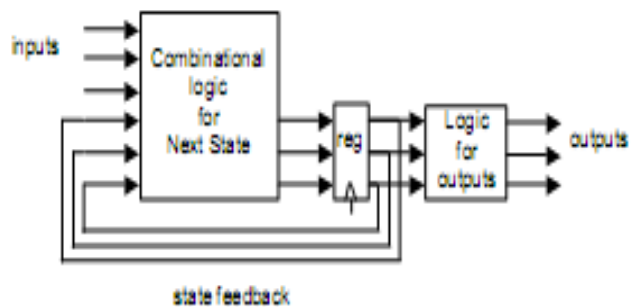


### Moore machine :

The output of a Moore finite state machine depends only on the machine's current state; transitions are not directly dependent upon input. The outputs react at the edges of clock pulse.



### Moore circuit :



### Moore state diagram :

