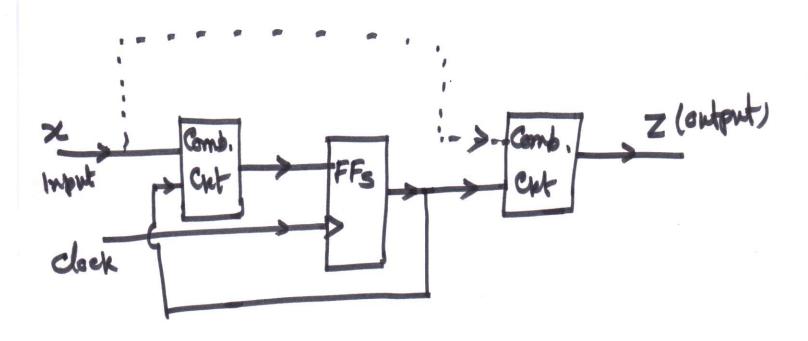
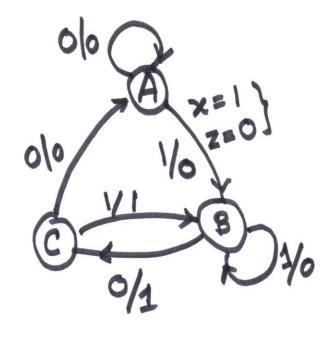
Finite State Machine (FSM)

- FSM contains finite number of states where a state specifies a unique internal condition of a system.
- function of present states & present inputs. Change of states:
- Output:
 - Present inputs & present States. 1. For Mealy Machine-
 - 2. For Moore Machine-

Out is function of present states



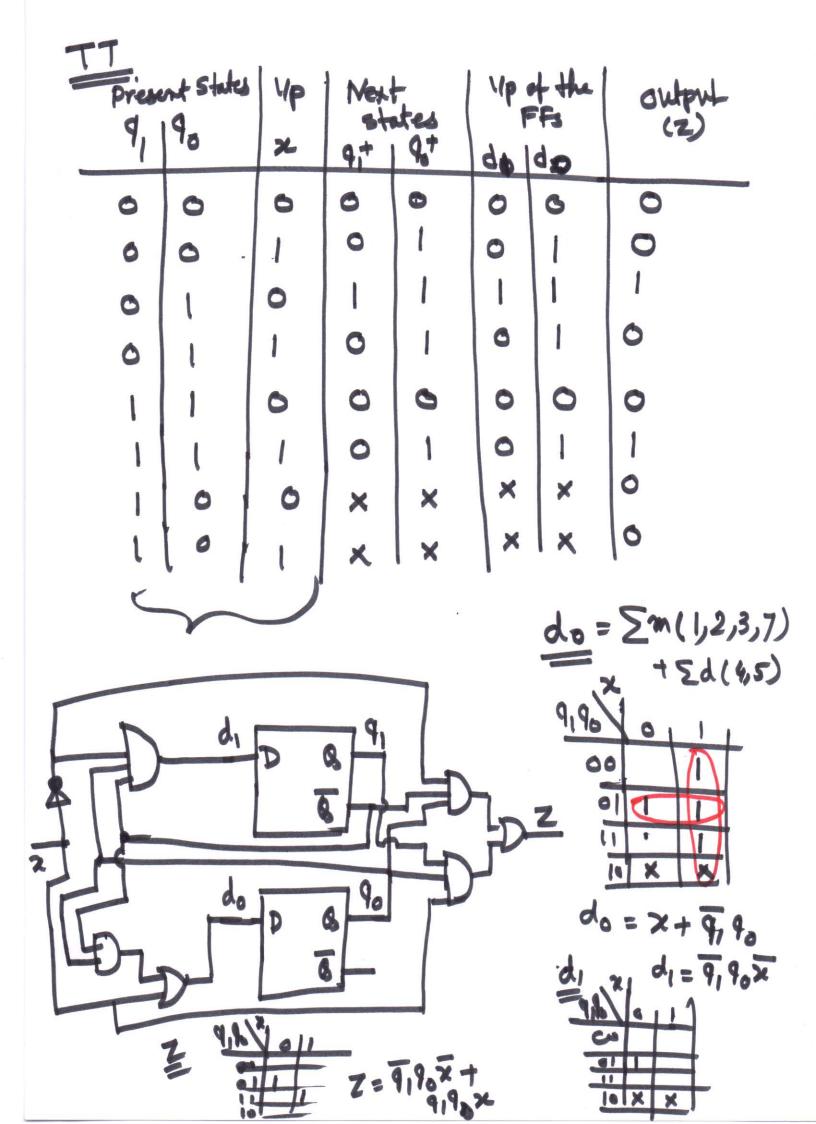
Example of Mealy Machine:



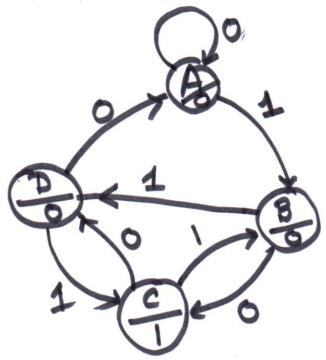
State Diagram

State Transition Table

	Present States	Next States		autput (z)	
•	Λ	X 5 0	D	0	0
	H	A	6		
	В	C	В	1	0
	C	A	В	0	1
5	tate Mapping				
	$\Delta \rightarrow 0$				



Example of Moore Machine:



State Transition table

	Present State	Nex o	State	ontent	
,	A	A	B	0	
	В	C	D	0	
	C	D	В	1	
	D	A	c	0	
		1	1	•	