

15/2/22

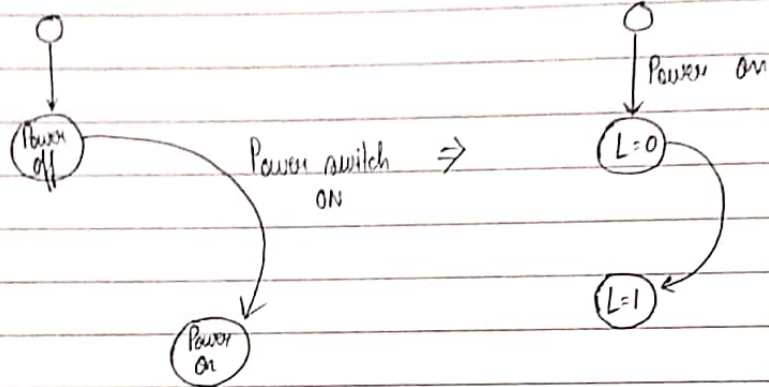
MPMC

classmate

Date
Page

Finite State Machines

Transitions are associated with conditions (Guard Condition).

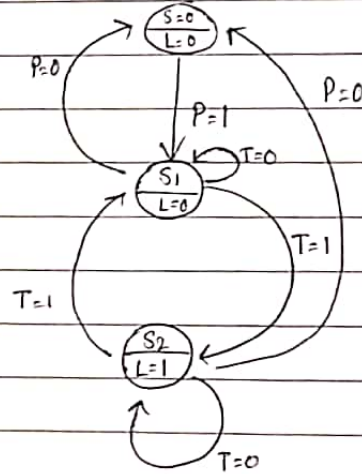


Guarded Condition C

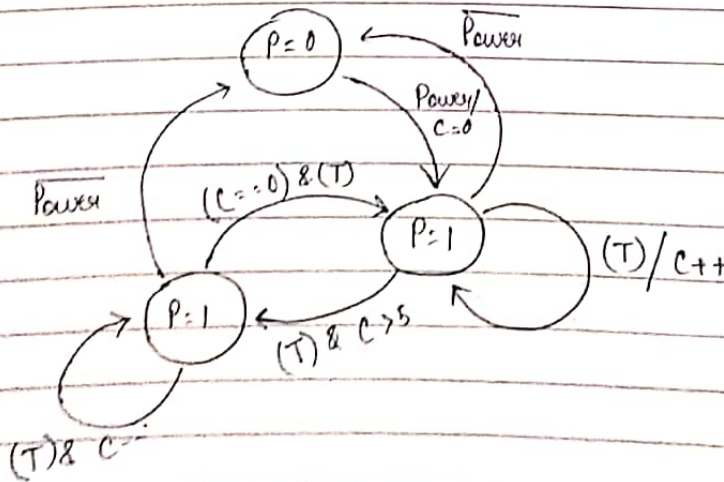
$$\Lambda = \text{Acceptors} = [P, T]$$

$$\Sigma = [L]$$

This machine is Moore Machine

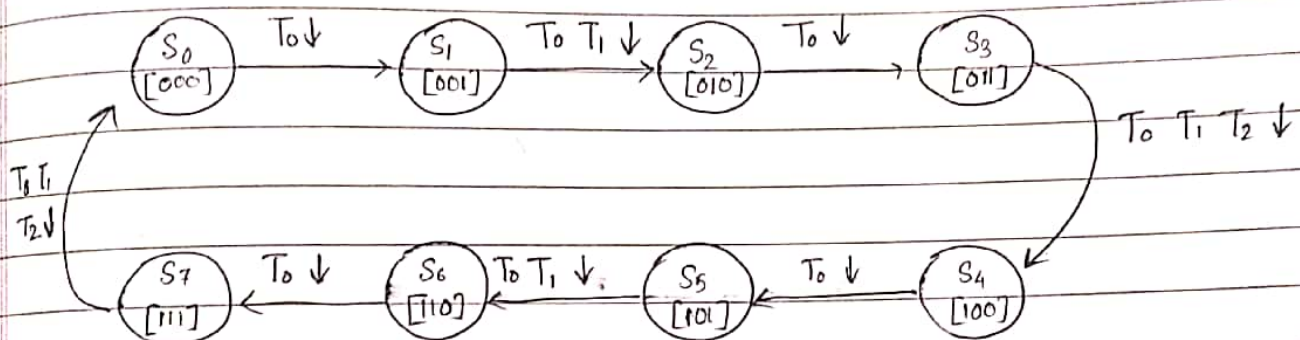
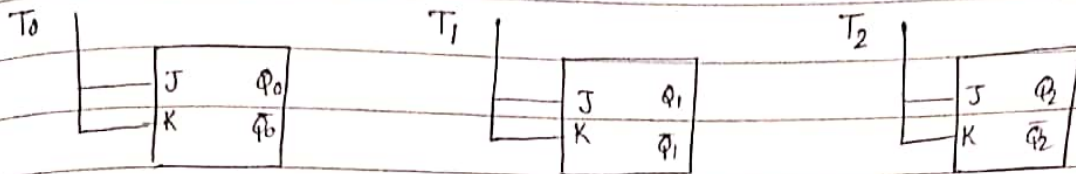


Classical Machine Mealy Machine



$$\Lambda = [\downarrow, T_0, T_1, T_2]$$

$$\Sigma = [Q_0, Q_1, Q_2]$$



Q_2^{m-1}	Q_1^{m-1}	Q_0^{m-1}	T_1
0	0	1	1
0	1	1	1
1	0	1	1
1	1	1	1

Q. Design the FSM for a coke vending machine which accepts only ₹10.