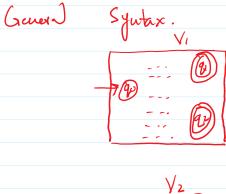
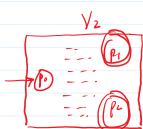
lecture 15:-

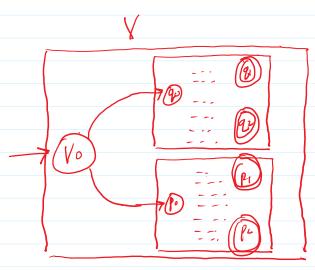
DPA to NPA.

- Union.
- Con Caturation.
- Closure.

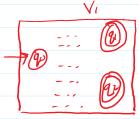


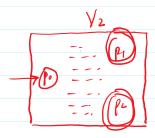


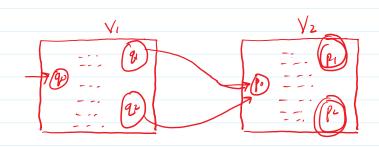




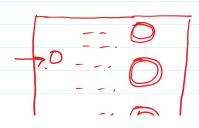
Concatenation.

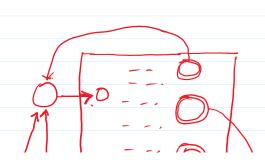


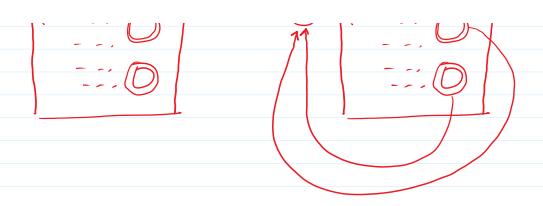




Closure.







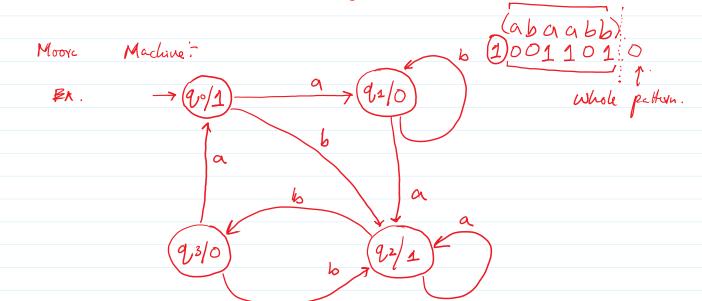
Madine & Medy Machine. MOOYC

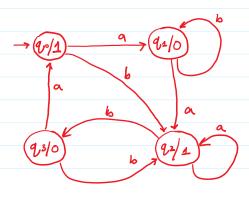
Two types of Machines.

1- Recognizar (Accept / reject a pattern).

Craverators (outputs). 2-

- Moore Machine. - Mealy ".

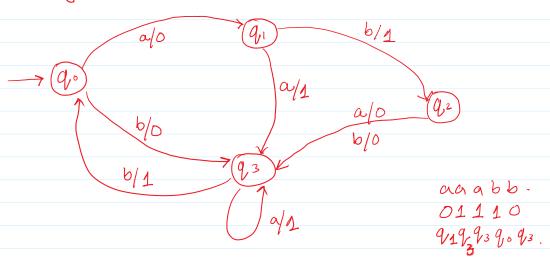




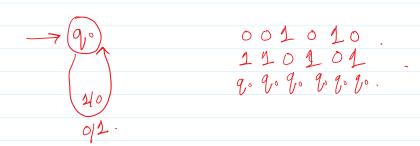
Construct Moore Madine. from table selver

Old State New States outputs. Output by old	Stale
a b	
96 91 92 0 1 1	
92 92 91 1 0	
q_{12} q_{2} q_{3} q_{4} q_{5}	
q_{13} q_{10} q_{2} 1 1 0	

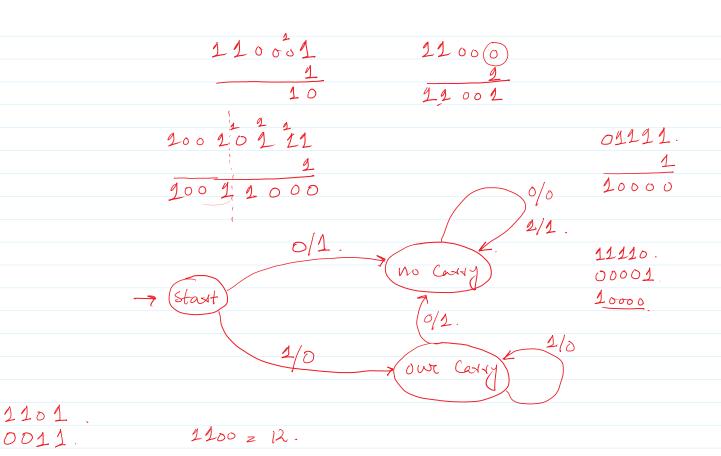
Mealy Machine:



Ex 1:- Design a mealy madrine for 2's complement.



BKZ:- Design a meety machine for 12 = 10 11 - adding 2 to a binery String. 12 = 12 00k.



Definition. Moore.

1 A faite Set of States.

2- \(\overline{\Sigma} \) \(\o

Moore = Medy. (Moore -> Medy). [Coursons. (Medy -> Moore).]



