-	Moore Machine							
	- Love / Carune							
	Finite state machine in which the next state is decide by the							
	current state and current input.							
	AND THE PROPERTY OF THE PROPER							
	The output symbol at a given time depends only on the foresent							
	State of the machine.							
	Legerth Colored to Carlotte a second Colored C							
	Describle using 6 tuples:-							
	$\Theta = 1$ in act of all 2							
	Q = finite set of states Z = infrest symbol							
	90= initial state							
	0 = output alphabet							
	$S = xransition function where Q \times \Sigma \rightarrow Q$							
	λ = output function where $Q \rightarrow 0$							
xaniple								
	-(90/1) 0 (91/1) 1 91/1 autfout							
	${} {$							
	-(9.0/1) (9.1/1 9.1/1 0.004 pert 1 0 1 8tate							
	1 0 1 State							
	1 1 0 8tate (9210) * 90 on input 0 goes to 9, and on input 1 goes to 92 and it produ							
	1 1 0 8 tate (9210) * 90 on input 0 goes to 9, and							
	1 (921) * 90 on input 0 goes to 9, and on input 1 goes to 92 and it produ Ousput 1.							
	1 (921d) * Go on input 0 goes to 9, and on input 1 goes to 92 and it produ Output 1. Wext State (8) Output (1)							
	1 (921) * 90 on input 0 goes to 9, and on input 1 goes to 92 and it produ 0 Output 1.							

		-	-		-	, , , , , , , , , , , , , , , , , , , ,		
and controlled an experience of the controlled and	Transition: $S(q_0,0) \Rightarrow S(q_1,0) \Rightarrow S(q_1,0) \Rightarrow q_2$ Output: - 1110							
	3		M. Lings.	, or the	ATT AT	mac no in		
Example	Design a moore machine to generate 1's complement of a							
	given binary number							
1 - 1 - 1 - 7	The second of th							
	Input: - 10101, 0, 1, 01, 10, 11, 00							
	Experted Outpet: - 01010,1,0,10,01,00,11							
		***			- Louis L	Id- A Triass.	No. of the same	
	QO							
	0 9/1							
	$1 \longrightarrow (90/6)$ 1 0							
	The summer of the second of th							
	1 (2/6) in many many many many many many many man							
	1							
	CLAY STORM AN EXEMPT MACAINE							
	For instance	<u>e:-</u>			· · · · · · · · · · · · · · · · · · ·			
		1/1/	1	1	1 5 5	(1.5)4-		
-	Input	Î	1	0	1	1		
	State	9,0	92	9,	92	92		
}	Output		0_	1		0		
3 . A +	trong and	1 - 1 - 4	1000	-				
,	The second secon							
,		67. 34	Mint					
f			1			V .		
			}					

	Mealy Machine						
	- Hurrer						
	Machine in which output depends upon the present input						
	symbol and present state of machine.						
	The state of the s						
	To mealy machine, the output is supresented with each input						
<u> </u>	In mealy machine, the output is supresented with each input symbol for each state separated by 1.						
	The state of the s						
7.7 	Described using 6 tuples:						
Ca.	Q :- finite set of states						
	90: initial state of machines						
	> :- finde set of inputs						
	O:- output						
	$S := \text{transition function } Q \times \Sigma \rightarrow Q$						
	7: output punction QX \(\Sigma > 0\)						
Example	Design a mealy machine for a binary sequence such that it it						
	Design a mealy machine for a binary sequence such that if it has a substring 101, the machine outplot A, if 110 outpert B else output						
	C.						
	$ (q_0) (q_1) (q_2) (q_3)$						
V 100							
	Vc						
	0/3						
	1/c (94) (95)						

