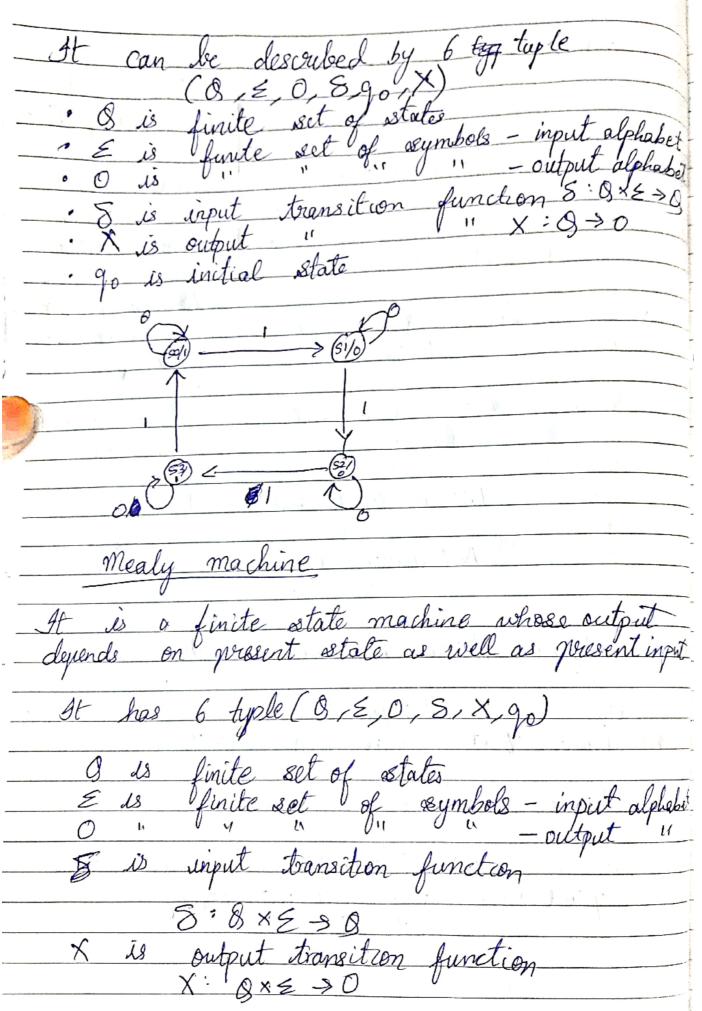
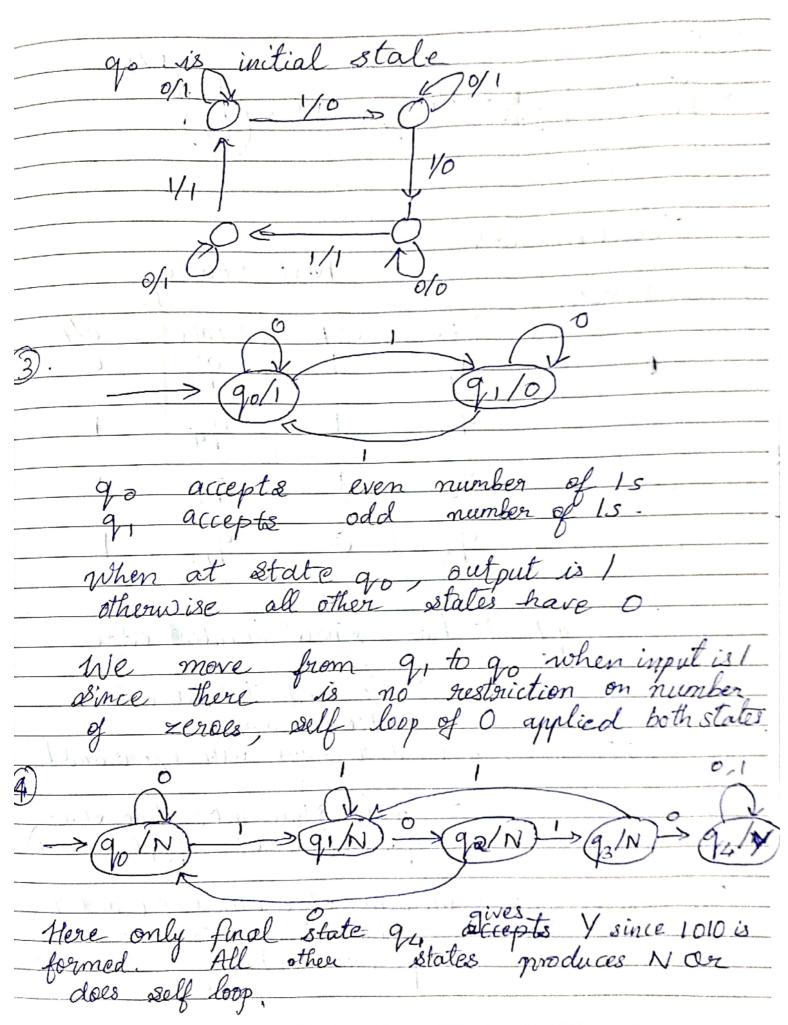
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and the same of th		
They	neat	1
V		They react
		They great
Value	Function of transition	Function of
of output.	and changes whom	current state
function	Tunction of transition and changes when imput logic on present state is done.	changes at clock
	state is done	edges whenever
and the second s	Worte.	state change oran
state	Fewer states lon	More states for
nequirement	Fewer states for	More states for synthes
<u> </u>		
Hardware	Less hardware to	More hardwar
Reg.	Less hardware to design	More hardward to design
V		
Courter.	Not a Mealy machine	15 a Moore medi
	U	
Design	Not always easy	Easy.
U	0	
	distribution of the state of th	
2). Defin	e Moore machine and	Mealy machine
		<i>U</i>
There	are 2 types of finite	e automata state
ma chines	are 2 types of finite that generate on	tput.
Troone	Machine	· ·
11-	A. I of to	0 1 0
gt is a	finite slave machine	whose outputs
depend	finite state machine on only present	state '

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					,					
(3)	a/1		2/1	- Ob	/1					
		1.b/1 (a	~ a/6	a la						
	$\rightarrow (q_1) \xrightarrow{b/o} (q_2) \xrightarrow{a//2} (q_4) \xrightarrow{a//2} (\sqrt{3})$									
	b/1									
	4 ifica	table								
	sans (con-	Transition table Next State								
-	Present State	0		1 0 5 6.	2/2					
The second		State	0/P	State	0					
in the same of the	9	. 9,		12						
	7 1	7	1	9.	1					
-	92	94		14						
-	Q.	92	1	9/3	1					
-	V3	12			and the same of th					
	9	93	6	- Y ₁						
-				1						
	4. 44	it has	sinalo.	incident .	dae					
	For state 91, it has single incident edge with 0/PO> No need to split data in									
<u> </u>	wari 9	\rightarrow	No need	to split o	lata in					
(4	Moore madine									
6	Tor state 92, 2 incident edge with 0/p o and 1.									
2_		-> 8	det state	- into to	20 8/Ja					
3	-> & plit &tate into two states 920 (for 0/PO), 921 (for 0/PI)									
4	120 (101 41 0) 1 121 (40 · 11)									
ι	For state q	3, 2 incide	nt edge	with O/P	and 1					
· _	For state 93, 2 incident edge with 0/P 0 and 1 -> Split state into two states 930 (for 0/P0), 931 (for 6/P1)									
γ <u> </u>	9/30 (for 0/PO), 9/31 (for 6/P)									

For state 94, 8	mly one i →> No	ncident e	dge with
⇒ Moore machi	ne Iran	ition tabl	e
Present State	0=0	ext State a=1	Output
91	91	9/2	0
921	914 p	9	
9,30	921	9/31	
94 a b	93	94	ba
-9/1 b 920/0) a	b 94/1).	9/30/1	931/1)
	<u></u>	1	a a
)		(12171)
	. 11.14		

