Moore to Mealy Conversion

In moore machine the output is associated with every state, and in the mealy machine, the output is given along the edge with infect symbol.

The equivalence of the Moore machine and Healy machine means both the machines generate the same output string for same input string.

Method for conversion of Moore Machine to Mealy machine

 $\lambda'(q,a) = \lambda(\delta(q,a))$

Example:

	а				
0	a	Ь	7		
90	9,0	9.1	.0		
	0 -	0	1		
VI	V	71			

Using this function generate a transition table:-

		Tapet a		Inpect b		
	0	State	Derpert	The state of	Output	
I	9,0	9.1	0	9,0	'	
	9.1	-91	1 O 1 1 3	9,2	31	
	9,2	9	0		0	
	V	V	*	V ⁰		

					99 0		
Mea	Mealy machine to Moore Machine Mealy machine to more machine, we will create a separate state for every new output symbol and according to incoming and outgoing eages are distributed.						
state							
Example	91) 6/0	a/1, b/1 (24	alo	b/1 13)	27 25		
	b/I						
Prevent	- Stati	State Next State (b					
-> 9,1 9,2 9,3 9,4	State G1 G2 G3	0/P 1 1 1	State 0 92 94 1 93			3 tox	
If sta	If state is giving different outpet then split it						
	92	730	93				
0.	uspect O ouspect	1 output		The second second			
				•			

Stati q	-					(3)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the state of t	State		b	Outhert	and the second state of the second se
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the second s	Q's				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			9,1	920	The state of the s	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			1			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			1			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					0	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$,			1	
Trunoue their outpets $ \begin{array}{cccccccccccccccccccccccccccccccccc$		94	1		1	
$\begin{array}{c} \begin{array}{ccccccccccccccccccccccccccccccccc$					SERVICE AND	S 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Qa $\Rightarrow (q_{11})$ $\Rightarrow (q_{21}/1)$ \Rightarrow		•	rimol	ce these	outpets	Bad Canara A Comment
$(q_{21}/1) \xrightarrow{b} (q_{12}/1) \xrightarrow{a} (q_{25}/0)$ $(q_{21}/1) \xrightarrow{a} (q_{34}/1) \xrightarrow{b}$		00	Ь	(=	<u>. na 1941</u>	med Malarese is the
(q.21/1) (22/1) b			6	a,b	a a	
(421/1) (43/1) b		- (9,11)-	920/0	9)) (9411)	(42010)
					a	
	-2			K		
		COLO TOPRONE	'zj)	(931/1) b
		A -	<u> </u>	7	1 Table 1 Table	
	<u> </u>					34 AV . 11 2 Cr 230 . 3 . 4 3 . 7 . 7
			2)		•	1 -1 -1
		la.				Application of the control of the co
		14	⁹ •;			
					7	. 7
					1	
					3 33 4	
	-					
				35		S. A. S.
				is the annual contains and the same making over over the		