Transforming Mealy to Moore Machine 🜇 📙



Consider the Mealy machine described by the transition table given by Table 3.10. Construct a Moore machine which is equivalent to the Mealy machine.

TABLE 3.10 Mealy Machine of Example 3.9

Present state		Next state						
	Input a	3 = 0	Input a = 1					
	state	output	state	output				
<i>→</i> q₁	q ₃	0	92	0				
q_2	q_1	1	q_4	0				
q_3	q_2	1	q_1	1				
q_4	q_4	1	q_3	0				



Construct a Mealy Machine which is equivalent to the Moore machine given by Table 3.14.

TABLE 3.14 Moore Machine of Example 3.10

Present state	Next state			1	Cutbut
	a = 0		a = 1		
	93 91 92 93	01-100	91 92 93 90	1000	0
		C)			

Convert Moose to Mealy 1. Take 0 | P.s of State 90 => 0, 91 > 1 92 > 0, 93 => 0 2. Put outputs by transet Consider the Mealy machine described by the transition table given by Table 3.10. Construct a Moore machine which is equivalent to the Mealy machine.

TABLE 3.10 Mealy Machine of Example 3.9

Next state

Present state

	Input a-= 0		Input a = 1		
state	output	state	output		
q_3	0	$q_{\tilde{2}}$	010.		
q_1	1	$\frac{q_4}{\alpha}$	0.		
92 - 9 ₄	1.	93 93	0		
7	1 1	J)	draw day and the second		
Q	0/1/	1 0 18			
93	0" 9	20 0-			
91	1 9	40	_		
9,1	\	940 0			
	4	94 1	_		
		92	0		
241	(
241		23 \ L)		
	\$\frac{q_3}{q_1} \\ \frac{q_2}{q_4} \\ \frac{q_3}{q_4} \\ \frac{q_2}{q_4} \\ \frac{q_4}{q_4} \\ \frac{q_1}{q_4} \\ \frac{q_1}{q	state output $\frac{q_2}{q_1}$ $\frac{0}{1}$ q_2 $\frac{1}{1}$ q_2 $\frac{1}{1}$ q_4 $\frac{1}{1}$	state output state $\frac{q_2}{q_1}$ $\frac{q_2}{q_4}$ $\frac{q_2}{q_4}$ $\frac{q_2}{q_4}$ $\frac{q_1}{1}$ $\frac{q_2}{q_4}$ $\frac{q_2}{q_4}$ $\frac{q_1}{1}$ $\frac{q_1}{q_3}$ $\frac{q_2}{q_4}$ $\frac{q_1}{1}$ $\frac{q_1}{q_3}$ $\frac{q_2}{q_4}$ $\frac{q_1}{1}$ $\frac{q_1}{q_3}$ $\frac{q_2}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_2}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_2}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_3}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ $\frac{q_1}{q_4}$ \frac		

Mealy to Moore Machine 3. Réfer table create neurtable as per nui states 4. Réfer défénds ou of Moore Maulie 4. Réfer défénds ou of Moore Maulie

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