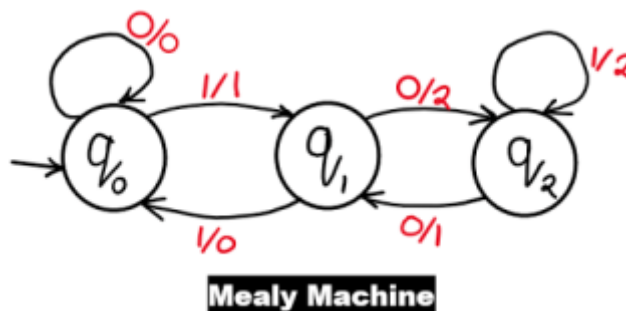


RGPV 2020

Construct Moore machine for the following Mealy machine.



Sol.

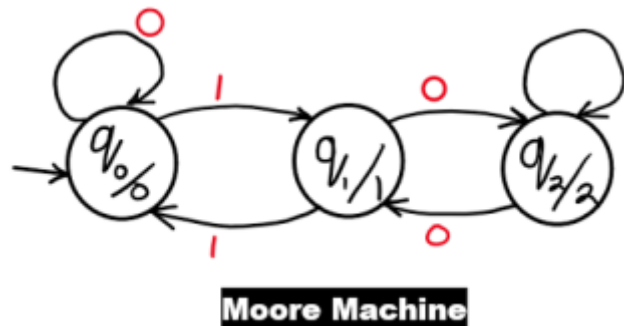
Transition table for above Mealy machine.

Present State	Next State			
	Input = 0	Output	Input = 1	Output
q0	q0	0	q1	1
q1	q2	2	q0	0
q2	q1	1	q2	2

Transition table for Moore machine from above Mealy machine transition table.

Present State	Next State		Output
	Input = 0	Input = 1	
q0	q0	q1	0
q1	q2	q0	1
q2	q1	q2	2

Transition diagram for Moore machine from above Moore machine transition table.



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