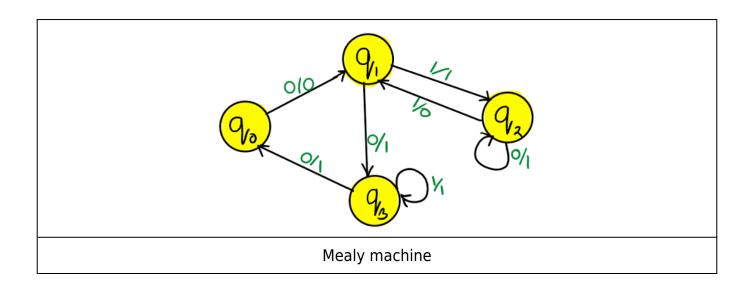
RGPV 2009

Construct a Mealy mcahine which is equivalent to the Moore mchine given below.

Present State	Next State		
	а	а	Output
	=	=	
	0	1	
q0	q1	q2	1
q1	q3	q2	0
q2	q2	q1	1
q3	q0	q3	1

Ans. Mealy machine

	Next State				
Present	a = 0		a = 1		
State	Next	Output	Next	Output	
	State	Output	State		
q0	q1	0	q2	1	
q1	q3	1	q2	1	
q2	q2	1	q1	0	
q3	q0	1	q3	1	



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