VAME: M	aruma						CLASS: SEIT	
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	to 10							
oms: Let	90 ->	Strin	g ending	in	O		00 10000 1 1	activity of the second
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Process the sold of suppression of the sold of the sol			g ending			el ann still mean gallerin sa rist en de et samme de	2 1 2 X 3	
			g ending					
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M :	(9, 2,	A, 8, 2	(9.0)			ant o	28.73818 N.V.	nea hit
	9x8 -							3
	, {0,13		4 P. Commercia					V 1
	80,13							
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Carrier Street, and Carrier Street, and Carrier Street,		7	0 90		N. J. J. J. J. J.			
9.	90	V' .					The State of the S	
	7	7.	Ö		***	MIVIT		
- 92	9.8	41						-
93	1 931	9.3	(a. 10	<b>)</b>				
			0 100	<b>\</b> '-	-			
	a anglik ayan mantaya salahan salah mad			$\checkmark$	77	0		()0,
		7(95/0		791	1	(9	2/0) 0 9	3/1)

(82] Design a Melay Muchine over the alphabet {0,13 which outputs EVEN,0DD according to the number of 1's encountered as even or odd.

Ans: Let 90 - even no. of 1s

9 . { 20, 2, 3

A · E EVEN/ ODD }

2 . {0,13

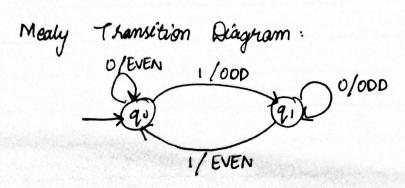
8: 8 x & = 0

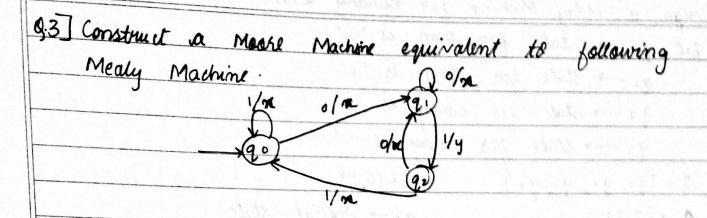
A: Q X E . D

q. . Unitial State.

Moor	e tr	omsi ti	on Table:
9	0	1	0/p
-790	q.	91	EVEN
21	91	90	000

Mealy	Transit	ion	Table:	
D	00	5 4	<u>b_</u> : ?	
90	20 EVEN	21	ODD	
21	9,00D	90	EVEN	





ons. Moore	Th	ansi't	ion Tabl	e	8 40 ( P. P.)	
9	0	1	0/p	5 %	0= {9.9.9.92}	8= 90,13
-> q0	91	90	7	111	1 = {7,43	
91	9,	92	ж	12.0	go - invitial	state
92	19.	1 90	ly		8: 3×8-6	8

Transition Diagram:

Besign a Melay Machine for bimary adder.

Ans: Let 
$$q_0 \rightarrow$$
 state for sum is '0'

 $q_1 \rightarrow$  state for sum is '1'

 $q_2 \rightarrow$  state for carry is '0'

 $q_3 \rightarrow$  state for carry is '1'

 $g_{\circ} = \{q_0, q_1, q_2, q_3\}$ 
 $f_{\circ} = \{q_0,$ 

1 1/2 9,3

