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Question -1:

Given Mealy Machine

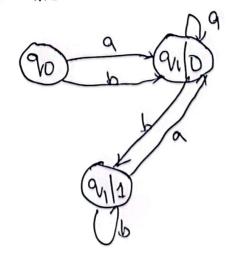
Transition table for Mealy Machine

		In	put a	Input b		
		State	Output	state	output	
•	90	95	0	91	D	1
	9,	9,	0	%1	1	

Corresponding Transition table for more rachine

	Input a	Input b	Output
90	%10	910	_
910	910	CVII	0
q _{vi}	910	911	1
	\	0	a Mach

After Conversion the fine Moore Machine is



Output for the following strings

1. ababab $\rightarrow 90 \xrightarrow{a} 910 \xrightarrow{b} 911 \xrightarrow{a} 910 \xrightarrow{b} 911$ (Input step) 010101 (output)

Key difference between Mealy Machine and Moore Machine:

me aly c

Input = Endput

Output on the transition $M_e \rightarrow M_e$

40 State

Woods =

4 Input & output

Le Output on the state

MO -> Me

Ly Move the moore machine

output to the mealy machine

input travition