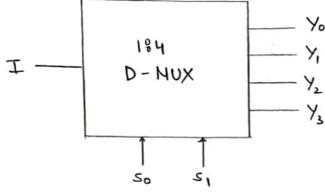
	Experiment -9				
	Alm 8- to verify the operation of 184 De-multiplexer (D-MUX)				
	Apparectus &- Breadboard, connecting wires, power supply, display board, switches, resistors, LED				
	Theory &- De Multiplexer is a device with one input and multiple output lines. It is used to send a signal to one of the many devices. The function of a				
	de-multiplexer is to inverse the function of a multiplexer and the shortcut form				
	De-multiplexers are classified into four types :-				
	-> 182 de multiplexer -> 184 de multiplexer				
	-> 188 demultiplexer -> 1816 demultiplexer				
•	184 De-multiplexer 8- It has one input I, two selection lines S, and so and four outputs Yz, Yz, Y, and Yo. The block diagram and truth table of 184 demultiplexer is shown.				
	Procedure 8-				
ŀ	Connect the supply (+5v) to the circuit.				
2.	First press "ADD" button to add basic state of your output in the given table				
3.	Pros start "A" be input.				
4	Press switches "B" and "C" to select desired import line.				
2	Press "ADD" button to add your inputs and outputs in the given table.				
6.	Repeat steps 4 and 5 for next state of inputs and their corresponding outputs.				
1	her the "PRINT" button after completing your simulation get your results.				
	Teacher's Signature				

	Date
Expt. No.	Page No
+ Result 8- the operation of 184 De-multiplexer has be	cen wified.
Precautions 8-	
1. Take care while supplying voltage to IC.	
2. Connections must be tight on the breadboard.	
3. Identify the pins on the IC properly.	<u> </u>
61 of 100	

## \* Block Dengram of 184 De-moltiplexer



## \* Truth table of 134 De multiplexer

Selection	Inputs	outputs			
Sı	0.2	λ3 ,	72	7,	7.
0	0	0	0	0	1
0	ı	0	٥	١	0
1	0	0	1	0	0
			D	0	0