Demultiplexen:

one of many output lines, depending on the value of select lines.

- It performs the reverse operation of a NUX.

-> The select lines determines which output will be connected to the input.

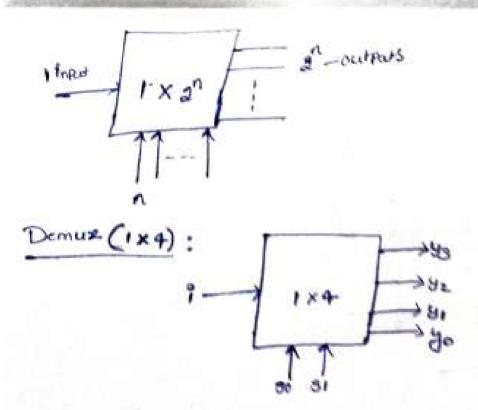
Applications -

r. data distribution

2. memory address decoding

3. Communication System

a. Anithmetic operations



Truth table:

inputs				out	output	
5,	So	ધુક	y2	9,	40	
0	0	0	0	0	ı°	
0	t	0	0	ř	O	
1	0	0	î	O	0	
1	1	9	0	0	0	

yo = 5,501 yı = 5,501 yz = 3,501 yz = 5,501

