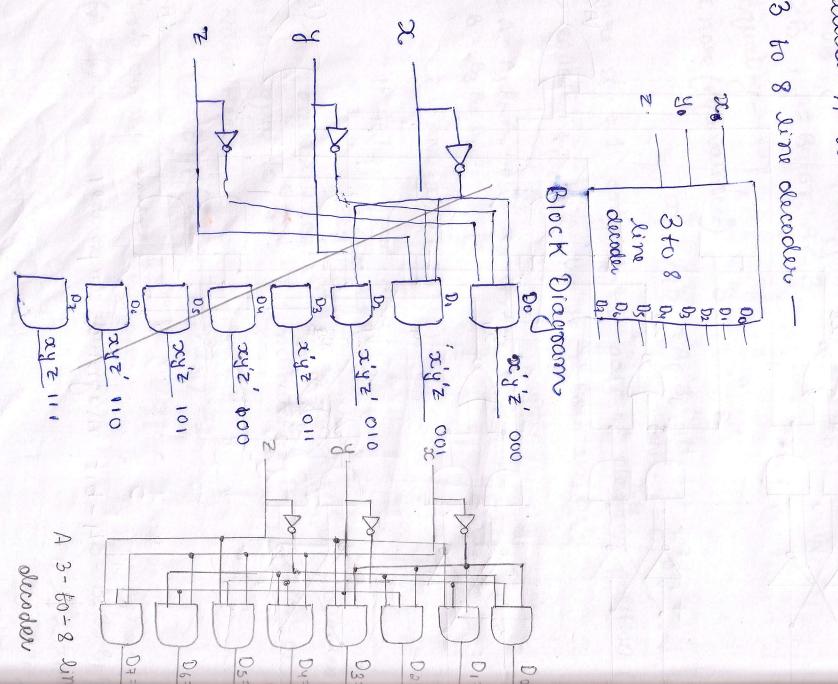
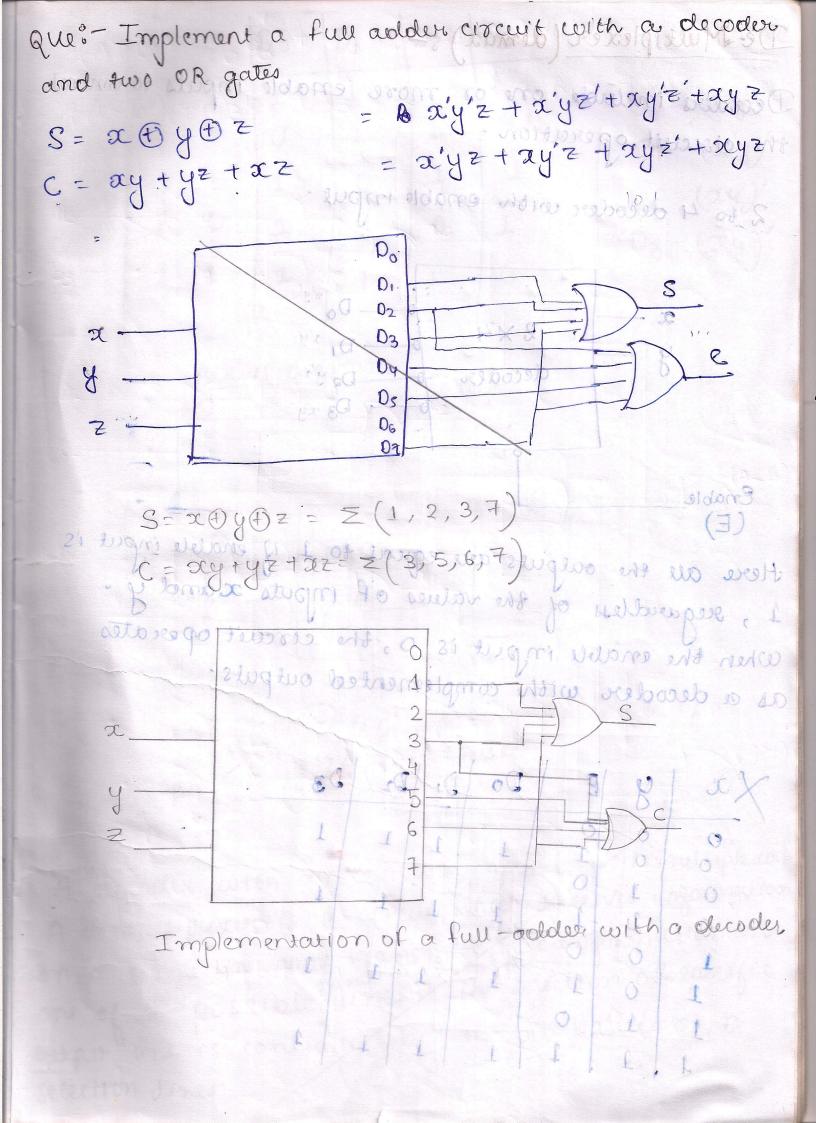
Decodou:

of 2" called n-to-m line decoders where m < 2 binary information from a input times to The decoder is a combinational unique output dines. The decoders here are arcuit that conve a masu

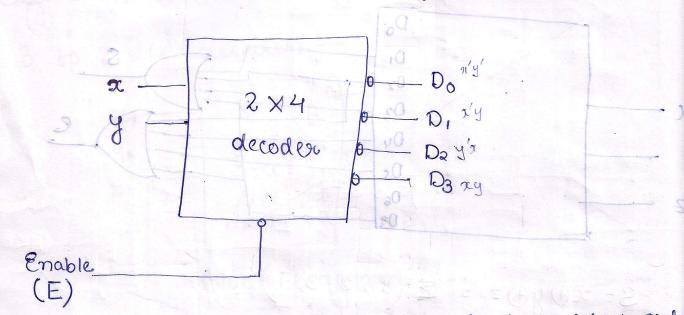




De Multiplexer (demux): Las une o inemplant

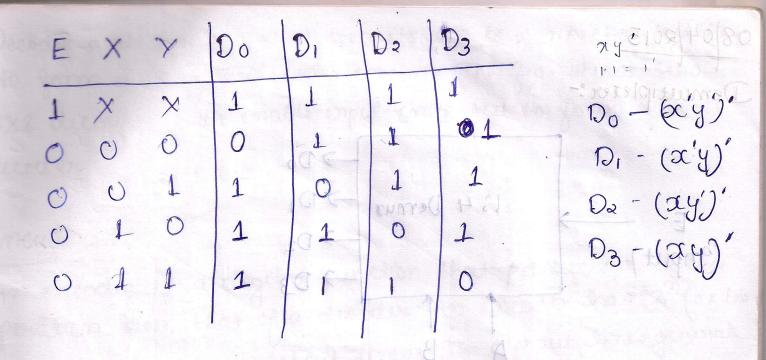
Decoders include one or more enable inputs to contre civicuit operation.

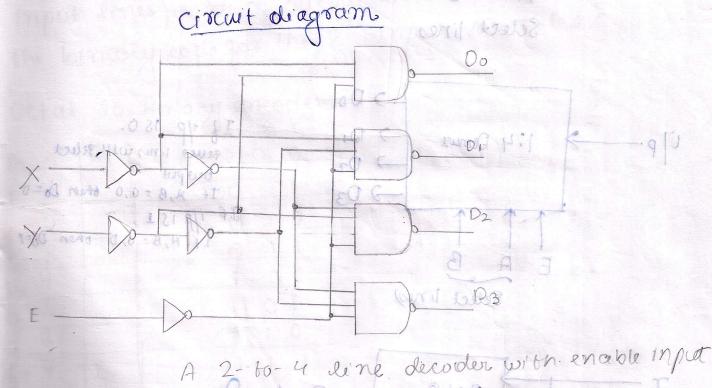
2 to 4 decoder with enable input.



Here all the outputs are egreal to 1 if enable input 1, sugardless of the values of inputs x and y. When the enable input is 0, the circuit operates as a decoder with complemented outputs.

XX	8	E	Do	Di	D2	Da
0	0	0 1	1	1	1	1
0	1	1	1	1	1	L
1	0	0		1	1	1
1	0 1	0				1
4	1 1	1 1	1	1	1 4	





A decoder with an enable input is a demultiplexer. A demultiplexer is a circuit that ourceives information on a single line and transmits this information on of 2nd possible lines. The selection of specific on of 2nd possible lines. The selection of near line is controlled by the bit values of n

selection lines.