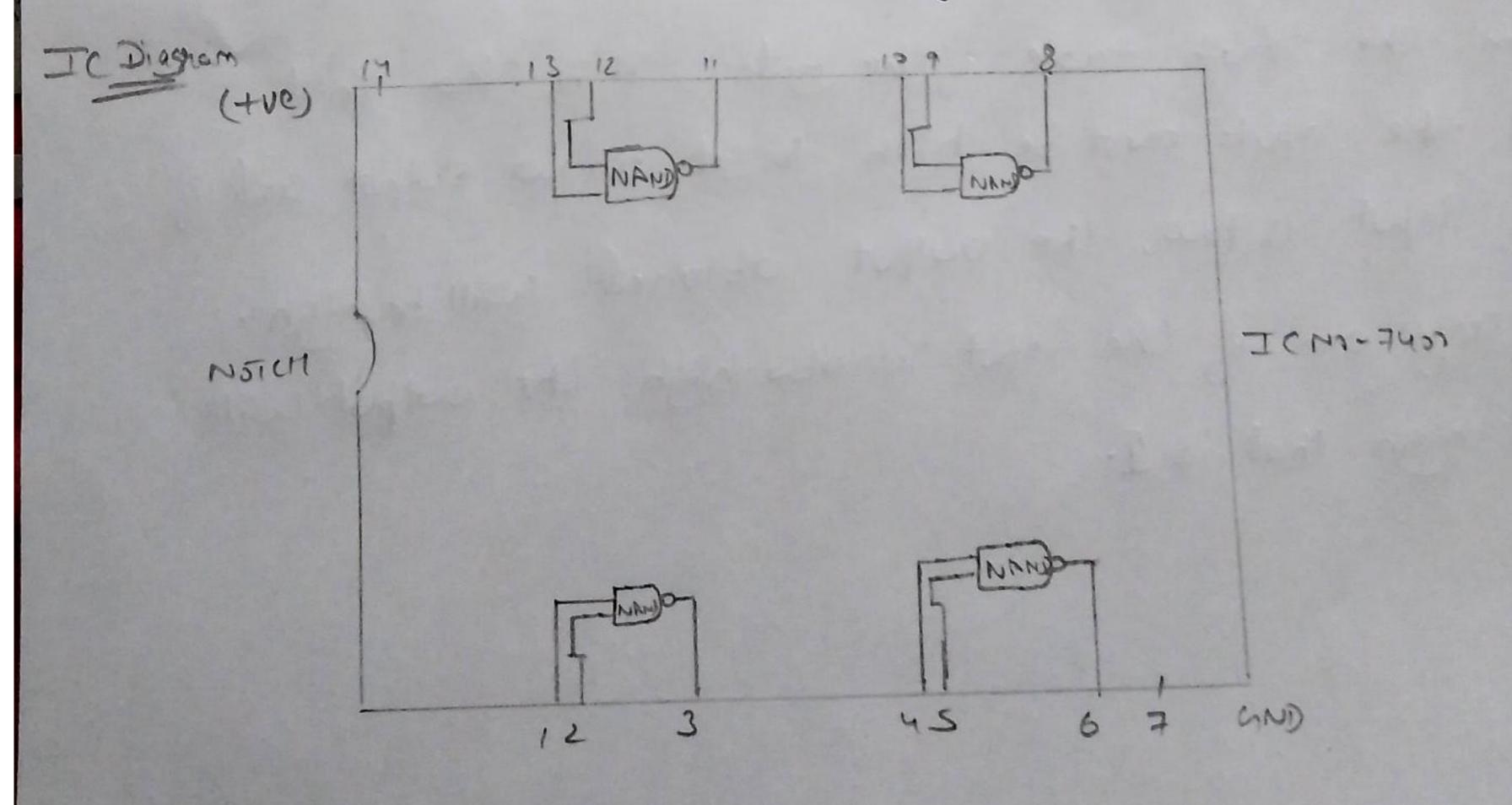
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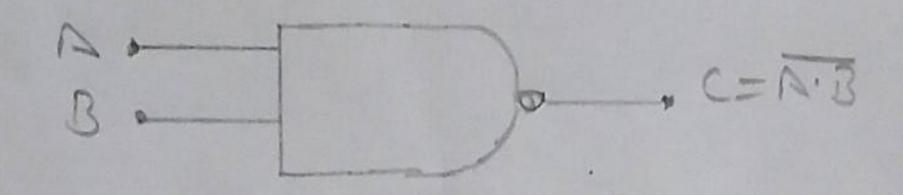
Ans! NAND gate is a logic gate which produces an output which is false only if all its inputs anctored thus its output is complement to that of an AND gate.

Alow (s) output nexults only if all the inputs to the gate are High (1) if any input is low (2), a High (1) output nexults.

The basic logical anstruction of the NAND gate.



Logic diagram



Tow th Table

Input		output
A	B	C=A·B
0	0	1
1	0	1
0	1	1
1	1	0

From the truth table of the gate, It is clear that all the inputs must be high to get a low output and of any input is low, the output abtained will be high. if any one of the input is also high the output will be high. be kigh that is I.