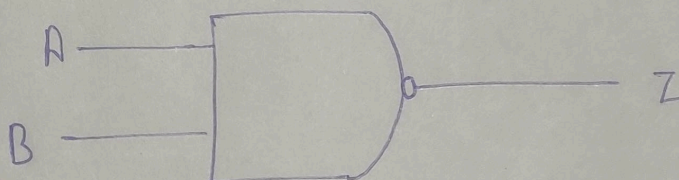


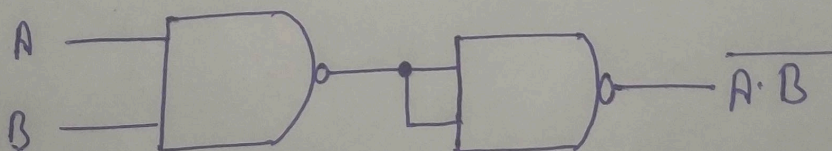
Question 1+ The NAND gate is a combination of an AND gate or NOT gate. They are connected in cascade form. It is also called Negated And gate. The NAND gate provides the false or low output only when their output is high or true. The NAND gate is essential because different types of a boolean function are implemented by using it.

The NAND gate has the Property of functional completeness. means any type of gate can be implemented by using NAND gate.

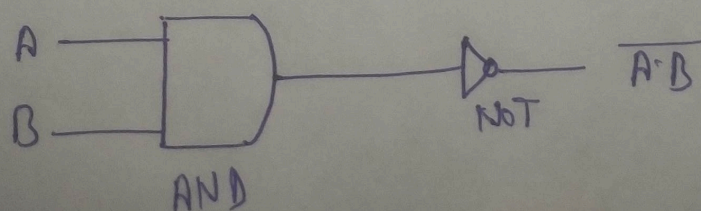
Logical Symbol+



Circuit diagram+



Logic gate+





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Date - 22 - mar - 2022

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Truth table - NAND gate

A	B	Output
		Z
0	0	1
0	1	1
1	0	1
1	1	0