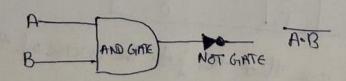
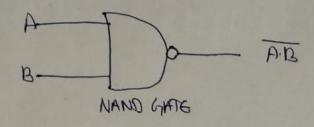
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A NAND gate ("not AND gate") is a logic gate that produces a low output (0) only if alls its inputs are true, and high output (1) otherwise. Hence the AND gate is the inverse of an AND gate, and its circuit is produced by Connecting and AND gate to a Wot gate. Just like an AND gate, a NAND gate may have any no. of input probes but only one output probe.

The NAND gates are known as universal gates (along with NOR gates), which means they are a type of logic gate which can implement any Booksan function without the need to use any other gate type.



The Symbol of a NAND gate is similar to the AND gate, but a bubble is down at the output point of the AND gate. The symbol of the NAND gate is shown below.



NAND Gode Truth Table

NAND gate many not AND gate", hence the output of this gate is just reverse of that of a similar AND gate.

In the NAND, the fact is the opposite, here, the output is only logical or when and only when all inputs of the gode are Is, and in all other coses, the output of NAND gate is high or I.

Input		adput
A	BI	X= A.B
0	0	X= 7.5
0	14	Fre Wille
1	0	٥
1	11	0

You can see that this just the severse of the fruth Table. of and AND gode.