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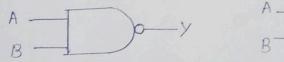
## Ans - 1 NAND Grate

A NAND. Create is a logic gate that performs
the revues operation of an AND logic gate.
The NAND gate is AND gate succeeded by NOT gate.
Thus one can understand the NAND gate as
NOT-AND gate also.

A NAND gate constitutes one or more inputs with

The NAND gate has an output that is normally at logic high and only goes to logic low when all of its inputs are at logic high.

NAND Cnots Symbol





NAND Grate Truthtable

Relow is NAND gate boolean expression for

two inputs.  $Y = \overline{A} \cdot \overline{B} = \overline{A} + \overline{B}$ Truthtable for two-input NAND gate

INPUT	OUTPUT	
0 0		
0 1		
10	10	
1 1	0	

Truthtable for thrue-input NAND gate

TNPUT		OUTPUT	
0	0	0	1
0	0	1	1
0	1	0	1 1
0	1	1	
	0	0	
1	0		
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1	1		0

