

1 AND Gate

The expression $C = A + B$ reads as “C equals A OR B”. It is the inclusive “OR” The Addition (+) sign stands for the OR operation



1.1 NB

The OR operation produces a true output (result of 1) when any of the input variable is 1 and a false output (result of 0) only when all the input variables are 0.

Truth table		
Two Input NOR Gate		
A	B	$Y = A + B$
0	0	1
0	1	0
1	0	0
1	1	0

Symbol



A logic gate symbol for a NOR gate. It consists of a green circle with a diagonal line through it. Two input lines, labeled A and B, enter from the left. One output line, labeled $Y = A + B$, exits from the right.