

The OR Gate

The OR gate is denoted by plus (+). Here, there will be more than one input and just one output. If we take both the inputs as 1, the output will also be 1. However, unlike the AND gate, if either of the inputs is 0, the output will still be one. Its symbol is '/'. Example;

$A + B = C$ (Here, A and B are the inputs, and C is the output)

For $A = 1, B = 1$

$A + B = C$

$1 + 1 = 1$

For $A = 1, B = 0$

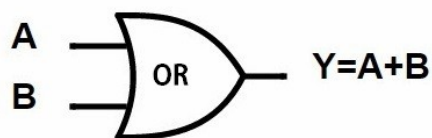
$A + B = C$

$1 + 0 = 1$

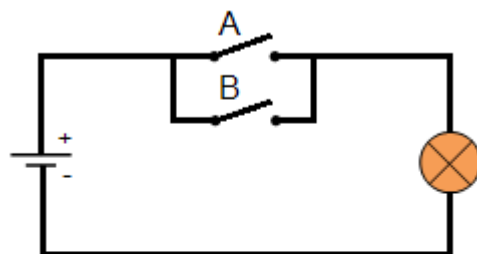
For $A = 0, B = 0$

$A + B = C$

$0 + 0 = 0$



A	B	Out
0	0	0
0	1	1
1	0	1
1	1	1



Lamp - ON = "1"

Lamp - OFF = "0"

Switch A - Open = "0", Closed = "1"

Switch B - Open = "0", Closed = "1"