



In an **AND** gate, **both** inputs need to be True to get an output of True

Α	В	Q
0	0	
0	1	
1	0	
1	1	

A AND B

A.B







In an **OR** gate, **one or more** of the inputs need to be True to get an output of True

Α	В	Q
0	0	
0	1	
1	0	
1	1	







In an **XOR** gate, **one** <u>**but**</u> **only one** of the inputs needs to be True to get an output of True XOR stands for **Exclusive OR** A XOR B

Α	В	Q	
0	0		
0	1		
1	0		
1	1		



NOT Gate



NOT gates only have one input

They switch the input to the opposite - so True becomes False and vice-versa



