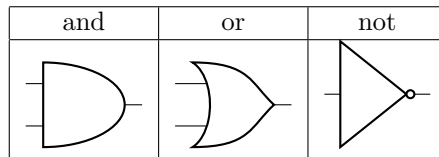


# Logic Circuit

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There are two types of basic signal in Logic Circuit: **1** and **0** and three types of basic circuit: and, or, not. The input quantities of and, or, not is 2, 2, 1, respectively. The draw of the three types of circuit is showing below:



Below is the inout table of the three types of circuit:

and			or			not	
input		output	input		output	input	output
0	0	0	0	0	0	0	1
0	1	0	0	1	1		
1	0	0	1	0	1	1	0
1	1	1	1	1	1		

To express a circuit can use several ways. Here, four ways are introduced, which are Drawing, Equation, Verilog, VHDL.