

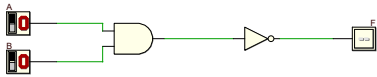
2 input and gate

Logic Equation

$F = A \text{ and } B = AB$

Input Output

A	B	F
0	0	0
1	0	0
0	1	0
1	1	1

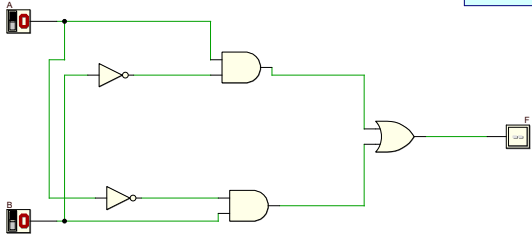


2 input and 2 gate

Logic equation

$$F = (A \text{ AND } B) \text{ NOT}$$

Input	Output
0 0	1
1 0	1
0 1	1
1 1	0



2 input and gate

Logic equation

$$F = (A \text{ and } \overline{B}) + (\overline{A} \text{ and } B)$$

Input	Output
0 0	0
1 0	1
0 1	1
1 1	0