$A = 1$, $B = 0$

A and $B = 1$ and $0 = 0$

A or $B = 1$ or $0 = 1$

A xor $B = 1$ xor $0 = 0$

not $A = $ not $1 = 0$

Truth Tables

1. AND

A	B	A and B
0	0	0
0	1	0
1	0	0
1	1	1

2. OR

A	B	A OR B
0	0	0
0	1	1
1	0	1
1	1	1

3. NOT

A	not A
0	1
1	0

4. NAND (not and)

A	B	A nand B
0	0	1
0	1	1
1	0	1
1	1	0

5. NOR (not or)

A	B	A NOr B
0	0	1
0	1	0
1	0	0
1	1	0

6. XAND (exclusive and)

A	B	A xand B
0	0	1
0	1	0
1	0	0
1	1	1

7. XOR (exclusive OR)

A	B	A xor B
0	0	0
0	1	1
1	0	1
1	1	0