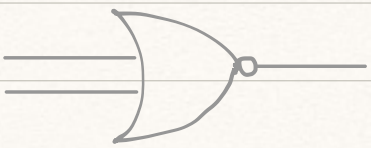
4) NOR

(OR)(Not)

Addition + Inverse

A	B	X
0	0	1
0	1	0
1	0	0
1	1	0

$\overline{A+B}$



5) NAND 

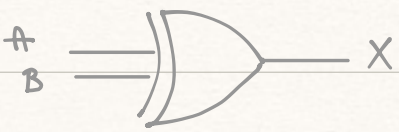
Multiply + Inverse

(Not)(And)

A	B	X
0	0	1
0	1	1
1	0	1
1	1	0

$\overline{A \cdot B}$

6) XOR



- Different → 1
- Same → 0

A	B	X
0	0	0
0	1	1
1	0	1
1	1	0

$X = (A \cdot \bar{B}) + (\bar{A} \cdot B)$

Remember

$X = A \oplus B$