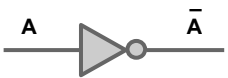


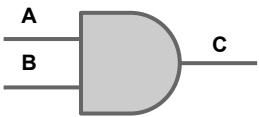
## PORTA NÃO (NOT)



A	$\bar{A}$
0	1
1	0

## PORTA E (AND)

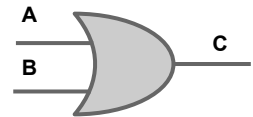
$$C = A \cdot B$$



A	B	C
0	0	0
0	1	0
1	0	0
1	1	1

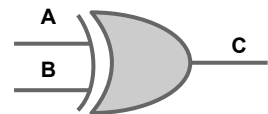
## PORTA OU (OR)

$$C = A + B$$



A	B	C
0	0	0
0	1	1
1	0	1
1	1	1

## PORTA OU EXCLUSIVO (XOR) $C = A \oplus B$



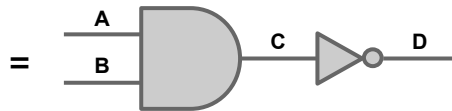
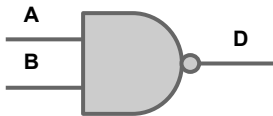
A	B	C
0	0	0
0	1	1
1	0	1
1	1	0

## PORTA NÃO OU EXCLUSIVO (XNOR) $C = \overline{A \oplus B}$



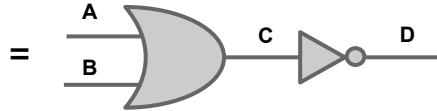
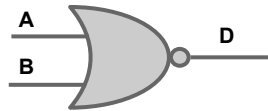
A	B	C
0	0	1
0	1	0
1	0	0
1	1	1

## PORTA NÃO E (NAND) $D = \overline{A \cdot B}$



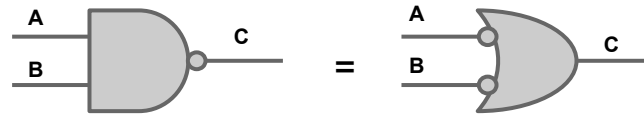
A	B	C	D
0	0	0	1
0	1	0	1
1	0	0	1
1	1	1	0

## PORTA NÃO OU (NOR) $D = \overline{A + B}$



A	B	C	D
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	0

$$C = \overline{A \cdot B} = \overline{A} + \overline{B}$$



$$C = \overline{A + B} = \overline{A} \cdot \overline{B}$$

