

Compuertas Lógicas

Compuerta Not

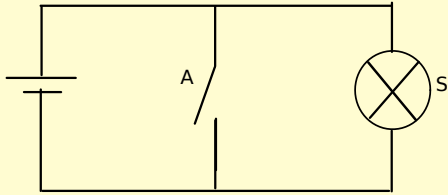
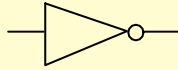


Tabla de verdad

A	S
0	1
1	0

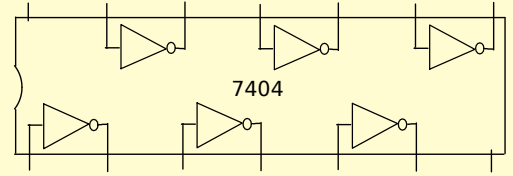
Esquema



Expresión

$$S = \bar{A}$$

Integrado



Compuerta And

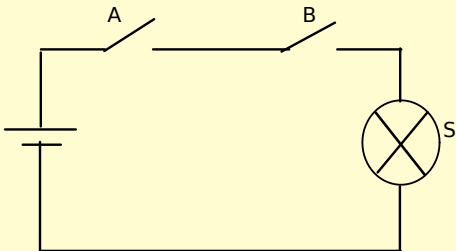
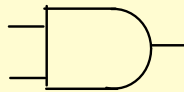


Tabla de verdad

AB	S
00	0
01	0
10	0
11	1

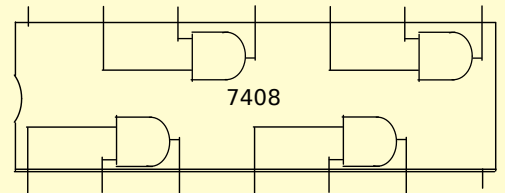
Esquema



Expresión

$$S = AB$$

Integrado



Compuerta Or

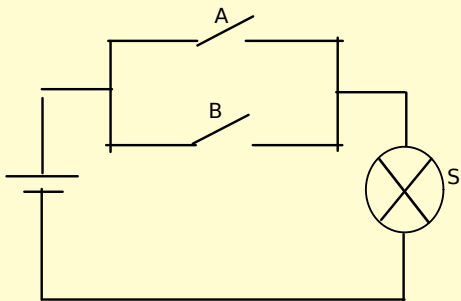
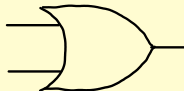


Tabla de verdad

AB	S
00	0
01	1
10	1
11	1

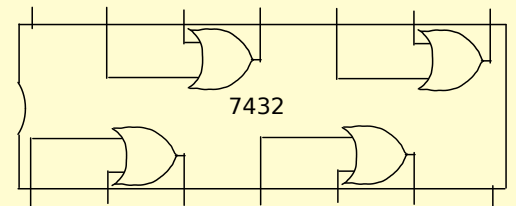
Esquema



Expresión

$$S = A+B$$

Integrado



Compuerta Xor

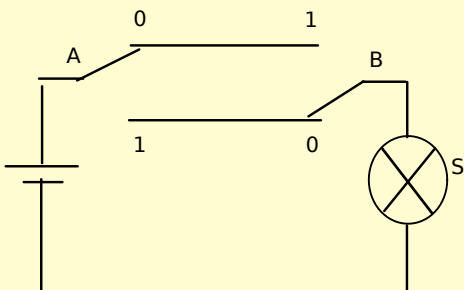
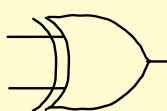


Tabla de verdad

AB	S
00	0
01	1
10	1
11	0

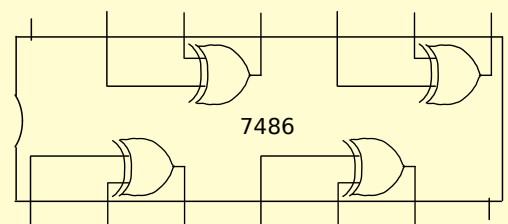
Esquema



Expresión

$$S = A \oplus B$$

Integrado



Compuertas Lógicas

Compuerta Nand

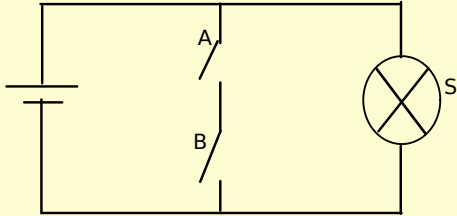
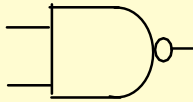


Tabla de verdad

AB	S
00	1
01	1
10	1
11	0

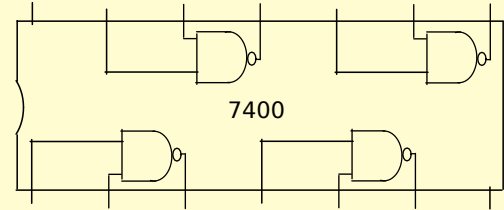
Esquema



Expresión

$$S = \overline{AB}$$

Integrado



Compuerta Nor

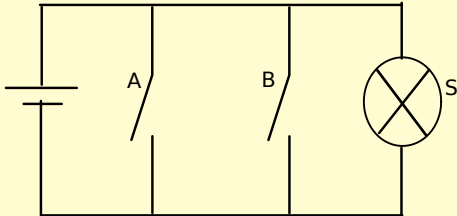
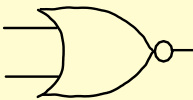


Tabla de verdad

AB	S
00	1
01	0
10	0
11	0

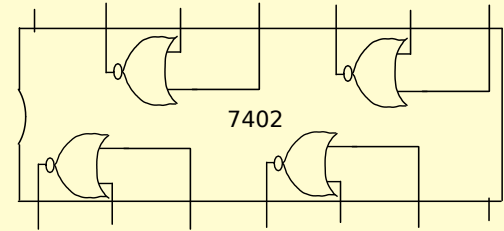
Esquema



Expresión

$$S = \overline{A+B}$$

Integrado



Compuerta Xnor

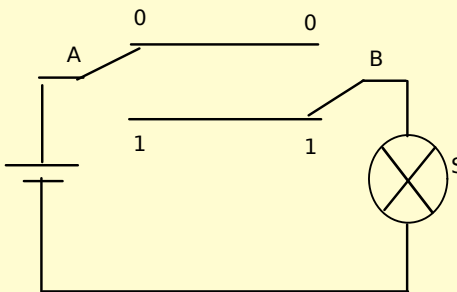
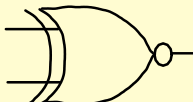


Tabla de verdad

AB	S
00	1
01	0
10	0
11	1

Esquema



Expresión

$$S = \overline{A \oplus B}$$

Integrado

