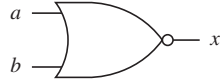


$$x = (a \cdot b)'$$

<i>a</i>	<i>b</i>	<i>x</i>
0	0	1
0	1	1
1	0	1
1	1	0

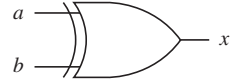
(a) NAND gate.



$$x = (a + b)'$$

<i>a</i>	<i>b</i>	<i>x</i>
0	0	1
0	1	0
1	0	0
1	1	0

(b) NOR gate.



$$x = a \oplus b$$

<i>a</i>	<i>b</i>	<i>x</i>
0	0	0
0	1	1
1	0	1
1	1	0

(c) XOR gate.