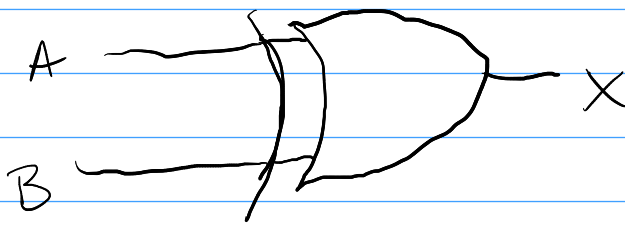
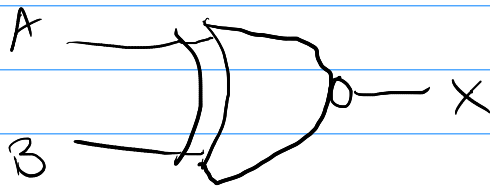


XOR



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

XNOR



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

$$A + \overline{B} + C + \overline{D} = 1$$

$$0 + 0 + 0 + 0 = 0$$

$$A = 0$$

$$B = 1$$

$$C = 0$$

$$D = 1$$

$$\overline{B} = 0$$

$$\overline{D} = 0$$

$$\overline{A} \overline{B} \overline{C} \overline{D} = 1$$

$$1 \times 1 \times 1 \times 1 = 1$$

$$A = 1 \quad \overline{B} = 1$$

$$B = 0$$

$$C = 1$$

$$D = 0$$

$$\overline{C} = 1$$

$$\overline{D} = 1$$

