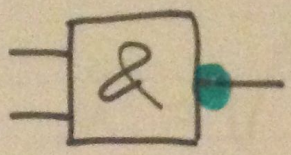
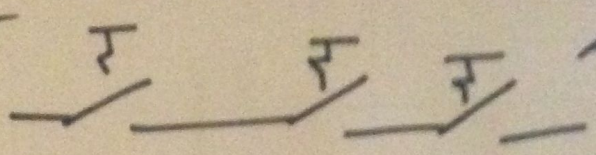
Und

E A



NAND

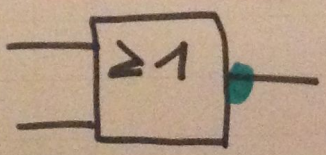
E A



$A = E_1 \wedge E_2$

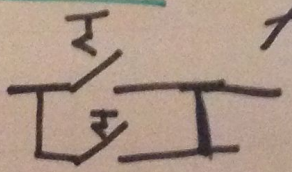
E_1	E_2	A	$\bar{A}$
0	0	0	1
0	1	0	1
1	0	0	1
1	1	1	0

ODER



NOR

E A

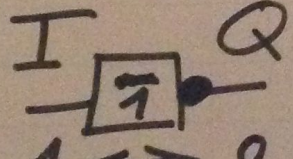


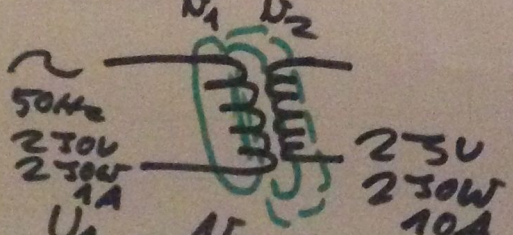
$Y = \bar{I}_1 \vee \bar{I}_2$

I_1	I_2	Q	$\bar{Q}$
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	0

Negation

I Q

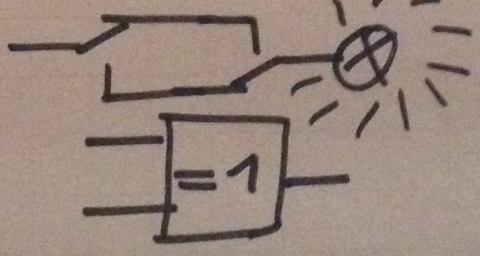




$\frac{U_1}{U_2} = \frac{N_1}{N_2}$

$\frac{I_2}{I_1} = \frac{N_1}{N_2}$

EXOR



I_1	I_2	Q	$\bar{Q}$
0	0	0	1
0	1	1	0
1	0	1	0
1	1	0	1

$\frac{230V}{11,5V} = \frac{600}{2}$ $\ddot{u}: N\!N = 20$

$\frac{230V}{6V} = \frac{1,15}{2}$

$N_2 = 300 Wdg$

$\frac{2,5A}{1mm^2} = \frac{2}{0,19mm^2}$

$$\underline{\underline{M}} = \sqrt{\frac{Z_p}{Z_s}} \quad |^2$$

$$\underline{\underline{M}}^2 = \frac{Z_p}{Z_s} \quad | \cdot Z_s$$

$$Z_p = \underline{\underline{M}}^2 \cdot Z_s$$

$$Z_p = 0{,}25^2 \cdot 163\,\Omega$$

$$Z_p = \underline{\underline{10\,\Omega}}$$