



GRAVITÀ

CAMPO GRAVITAZIONALE

U_1
Differenza di potenziale gravitazionale

MASSE

U_0

$U_1 > U_0$

ELETTRICI

CAMPI ELETTRICI

CARICHE ELETTRICHE



$\oplus \ominus$

$V_1 > V_0$



$\Delta U = V_1 - V_0 =$ DIFFERENZA POTENZIALE ELETTRICO

COMMON

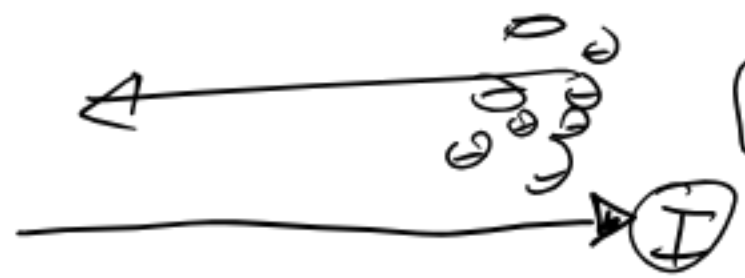
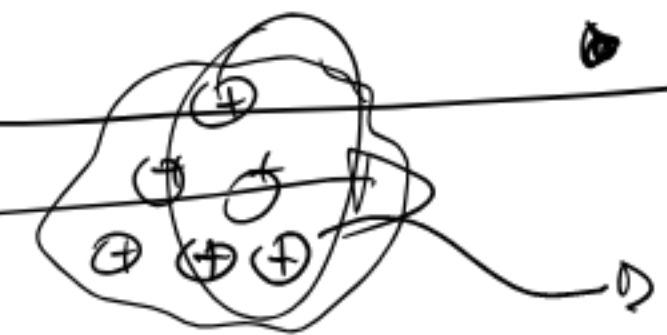
GND

0 Volt = 0V

$V_A > V_B$

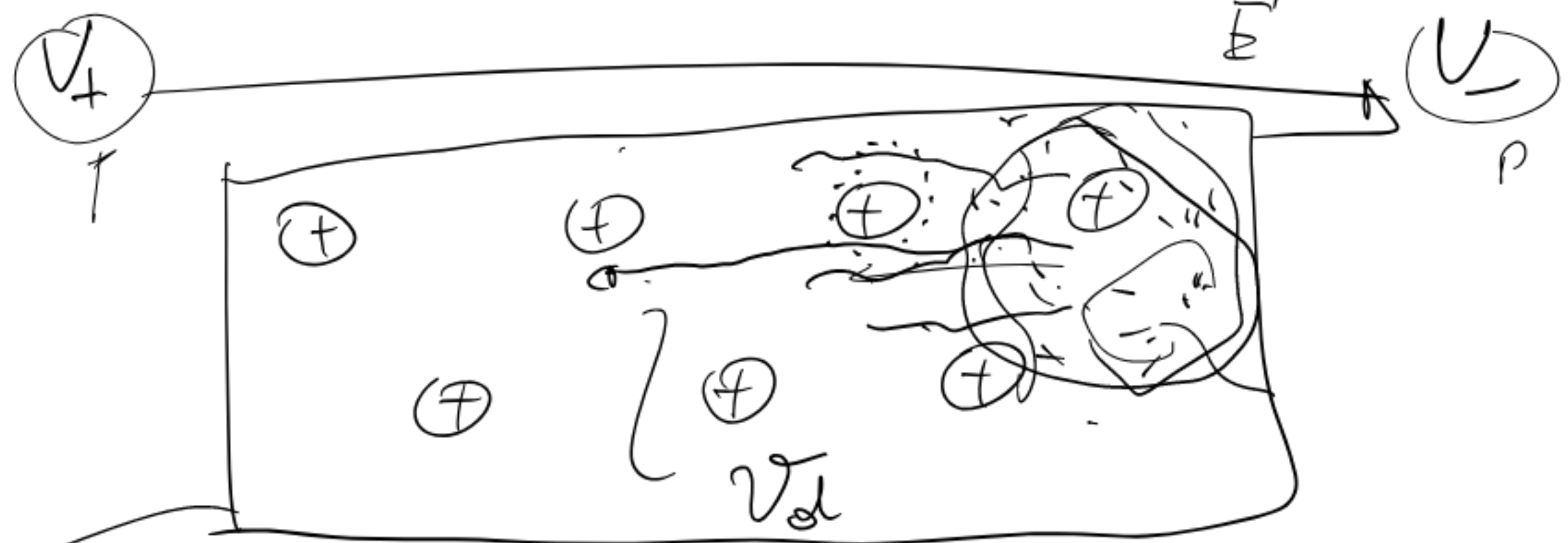
$V_{cc} = 5V$

$V_{GND} = 0V$



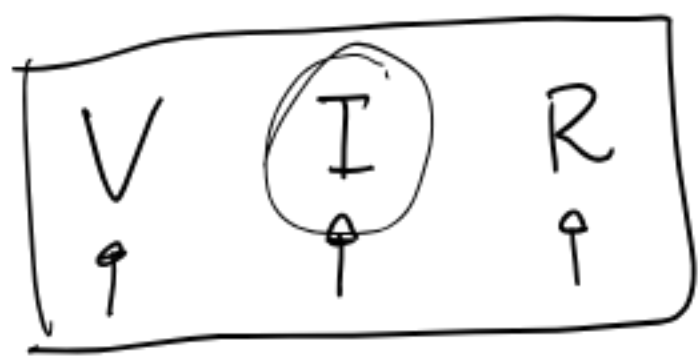
CORRENTE ELETTRICA $i(t)$

$[I] =$ Ampere A



RESISTENZA ELETTRICA

$[R] = \Omega$ OHM

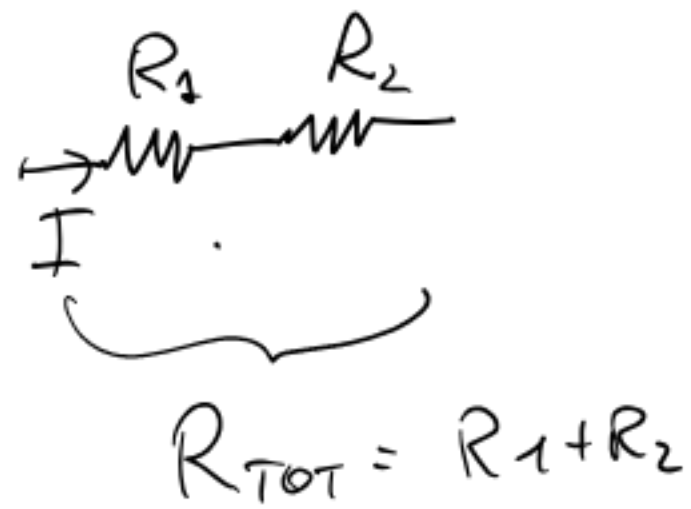
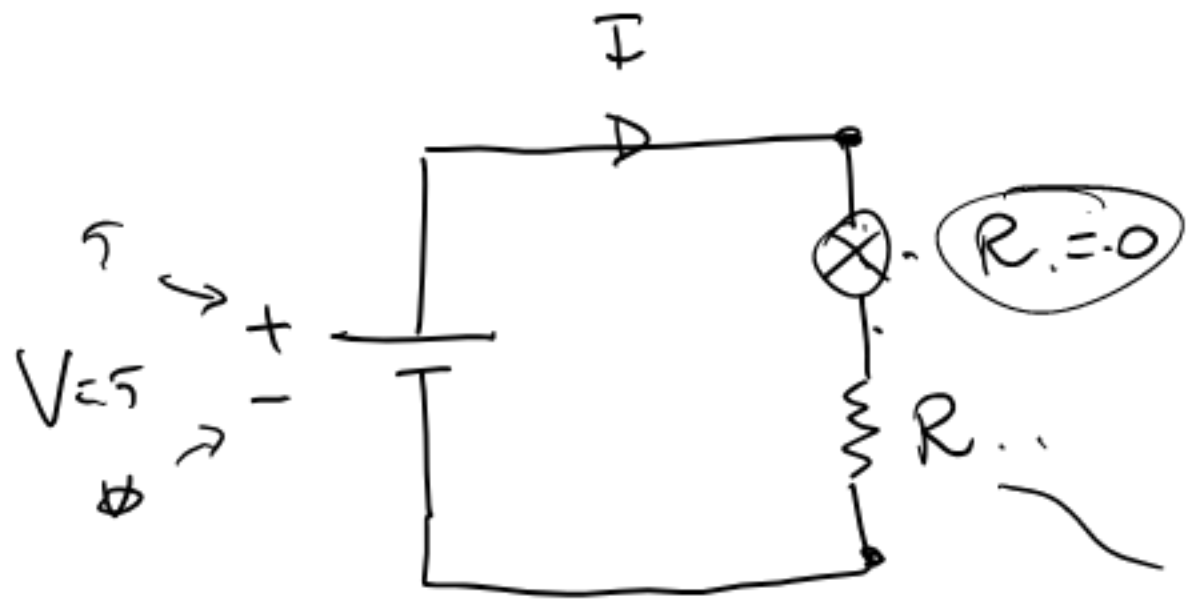


$V = R \cdot I$

$I = \frac{V}{R}$

V V
 I A
 R Ω

$R = \frac{V}{I}$
 $1 \Omega = \frac{1V}{1A}$



$V = R \cdot I \Rightarrow I = \frac{V}{R}$

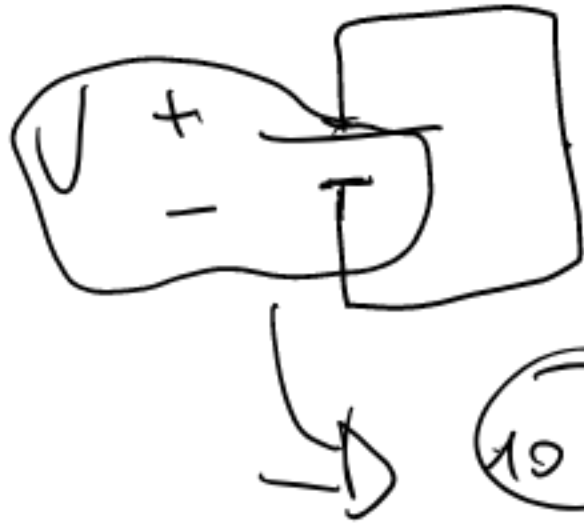
$I_H \approx 20 \mu A$

$\Rightarrow 330 \Omega$

$I_G \approx 20 \mu A$

$\Rightarrow 330 k\Omega = 330000 \Omega$

CORTO CIRCUITO



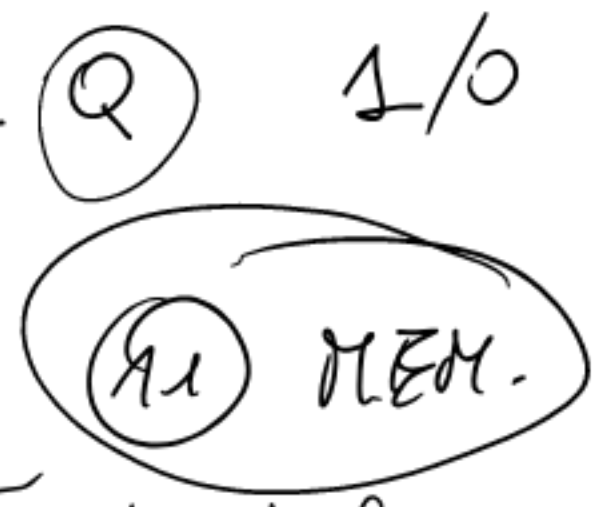
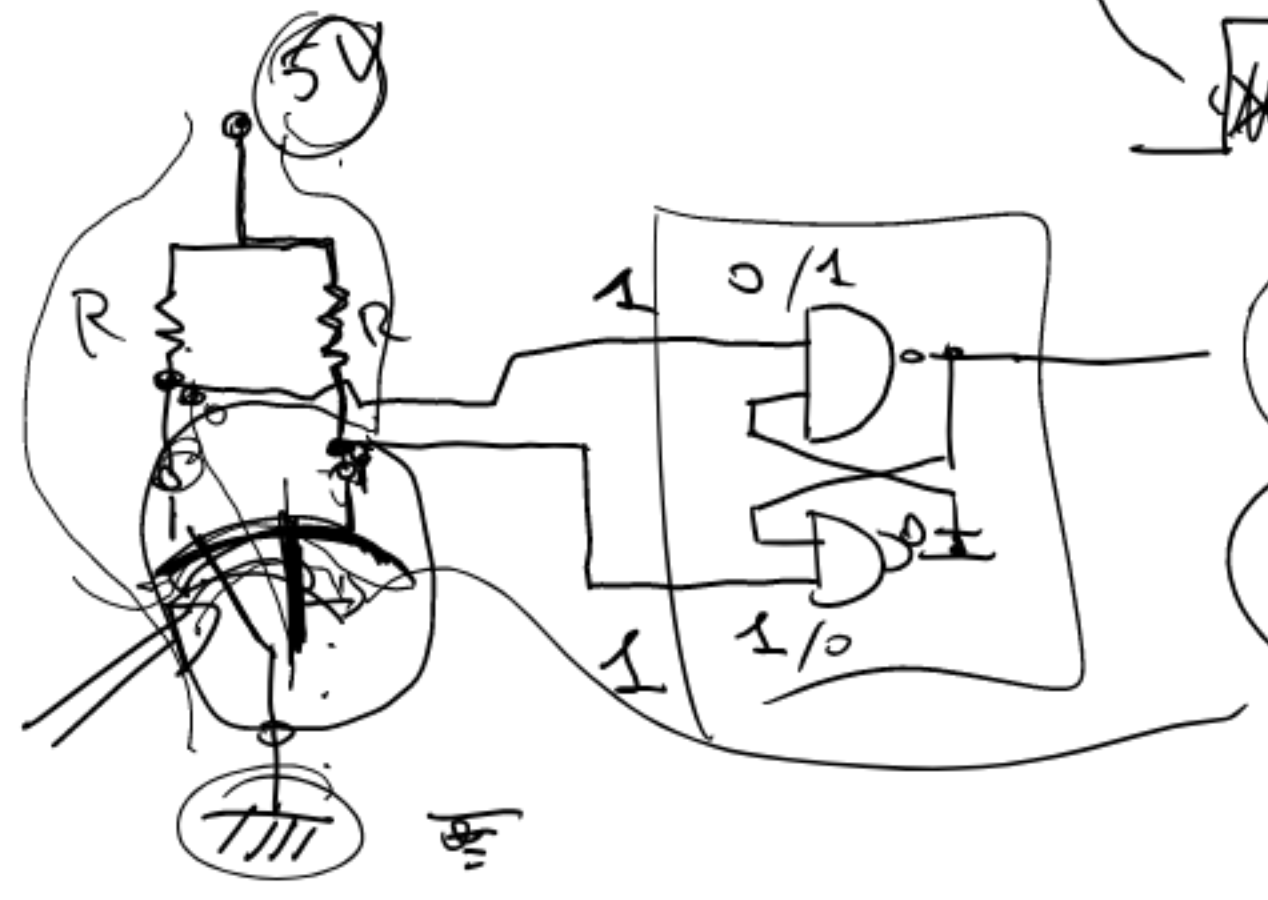
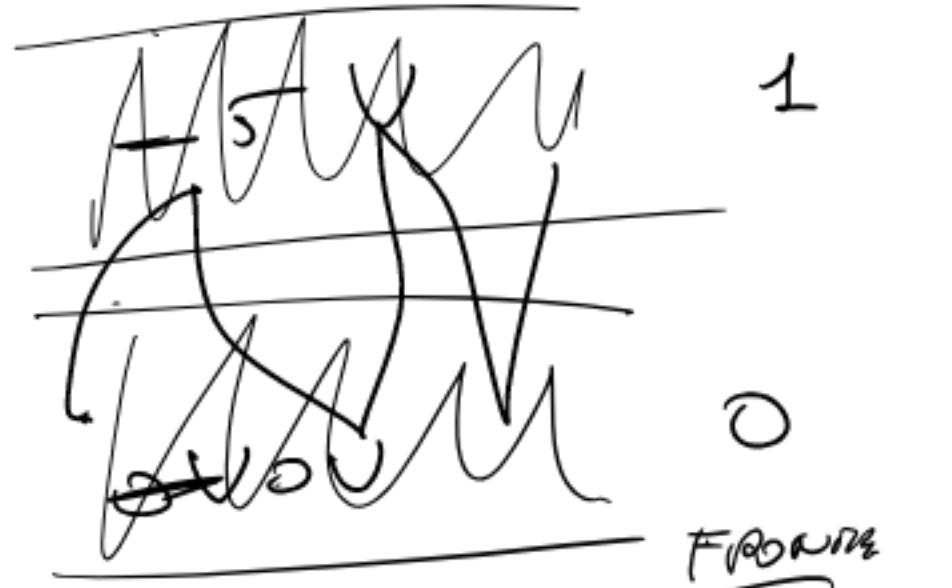
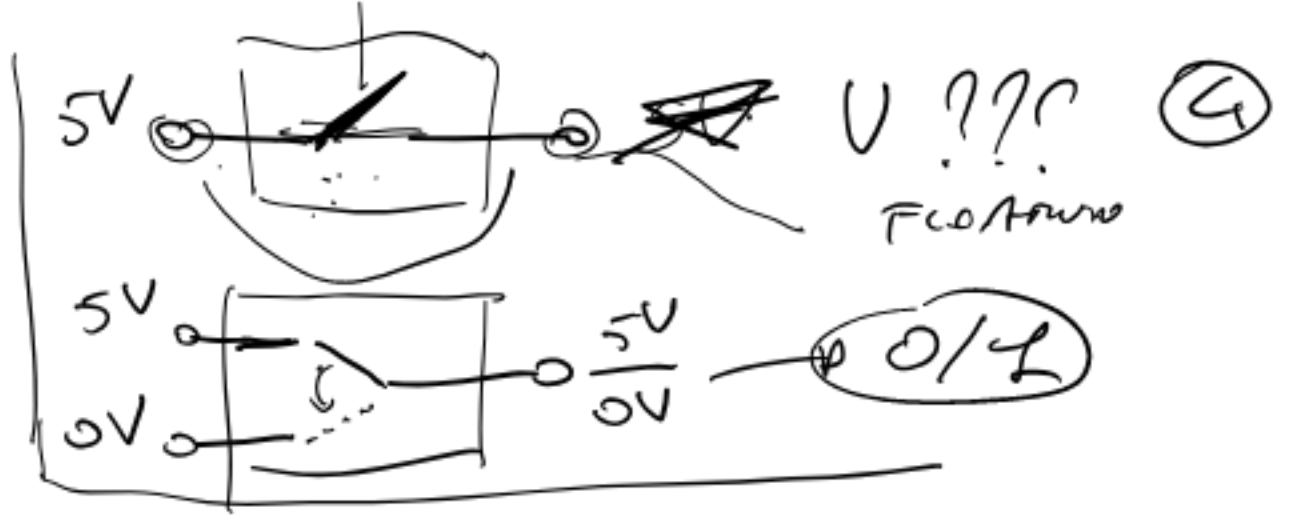
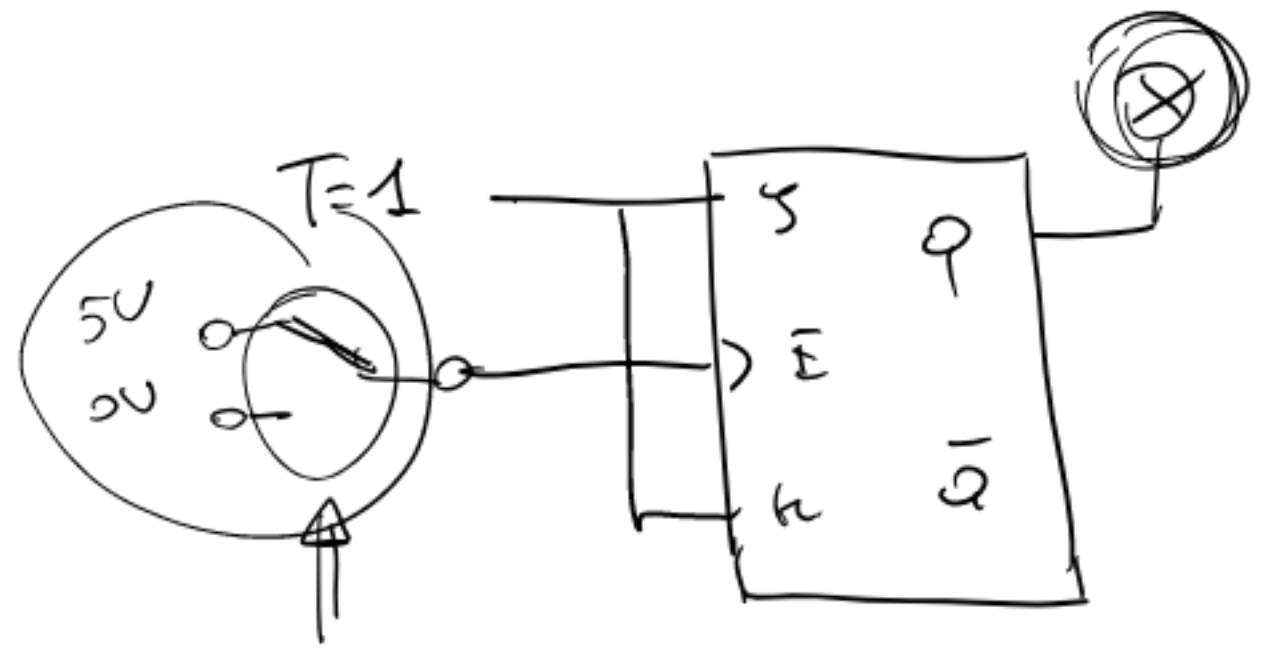
$R=0$

$I = \frac{V}{R} = \frac{V}{0} = +\infty$

$10 A$ Limite

$I = 1000 A$!!!

SWITCH ANTIRIMBALZO



durante le oscillazioni

