

PARAMETRI NOMINALI

V_{1M} = TENSIONE NOMINALE PRIMARIA

V_{2M} = " " SECONDARIA

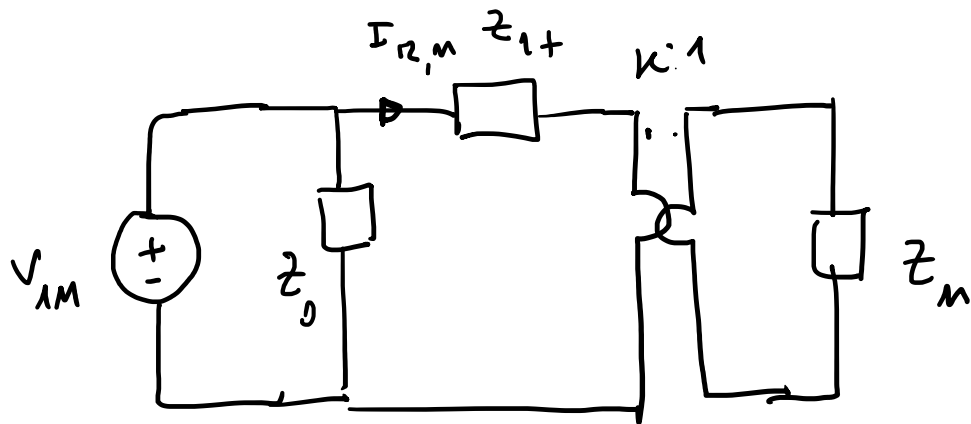
I_{1M} = CORRENTE NOMINALE PRIMARIA

I_{2M} = " " SECONDARIA

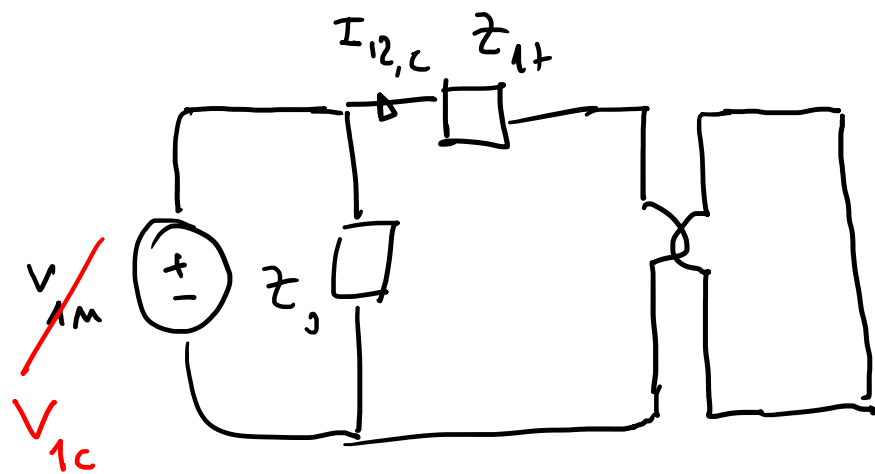
$A_M = V_{1M} I_{1M} = V_{2M} I_{2M}$

$$I_{1M} = \frac{A_M}{V_{1M}}$$

$$I_{2M} = \frac{A_M}{V_{2M}}$$



$$I_{12,M} = \frac{V_{1M}}{|z_{1+} + k^2 z_m|}$$



c.c
 $z = 0$

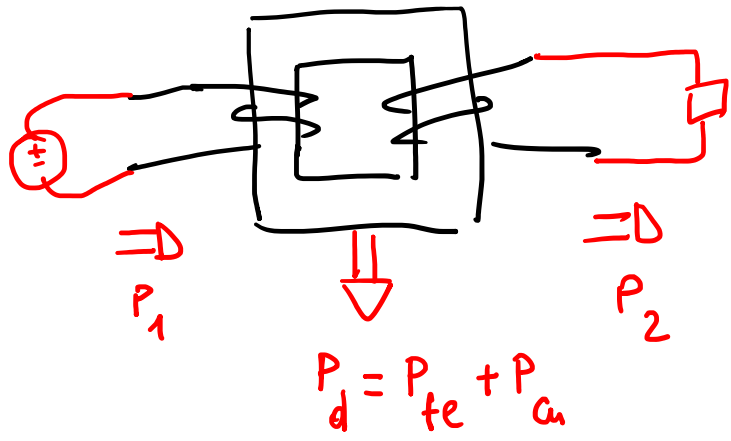
$$I_{12,C} = \frac{V_{1M}}{|z_{1+}|}$$

$$|k^2 z_m| \gg |z_{1+}|$$

$$I_{12,C} \gg I_{12,M}$$

$$I_{12,C} = I_{12,M}$$

$$V_{1C} \ll V_{1M}$$



$$\eta = \frac{P_2}{P_1} = \frac{A_2 \cos \varphi}{A_2 \cos \varphi + P_{fe} + P_{cu}}$$

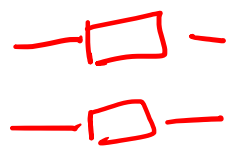
$$\eta = \frac{\Delta E_2}{\Delta E_1} = \frac{P_2 \cancel{\Delta t}}{P_1 \cancel{\Delta t}}$$

$$P_1 = P_2 + P_d = P_2 + P_{fe} + P_{cu} = A_2 \cos \varphi + P_{fe} + P_{cu}$$

$$P_2 = V_{2c} I_{2c} \cos \varphi = A_2 \cos \varphi$$

$$A_2 = V_{2c} I_{2c}$$

$\cos \varphi$ = FATTORE DI POTENZA DEL CARICO



$$\cos \varphi = 1$$

$$\cos \varphi = 0$$

$$\eta_{conv} = \frac{A_M \cos \varphi}{A_M \cos \varphi + P_0 + P_c}$$

$$\eta_{conv} \approx \eta$$