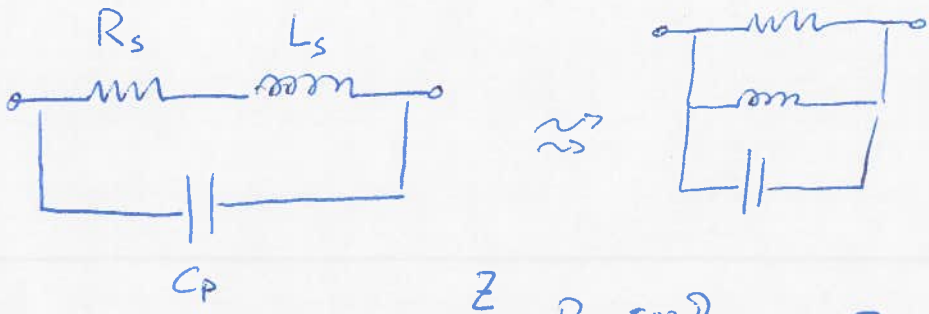
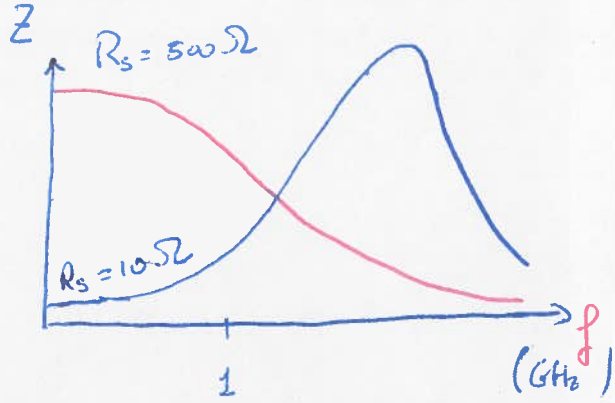
COMPONENTI CIRCUITALI : COMPORTAMENTO IN FREQ.

RESISTENZE

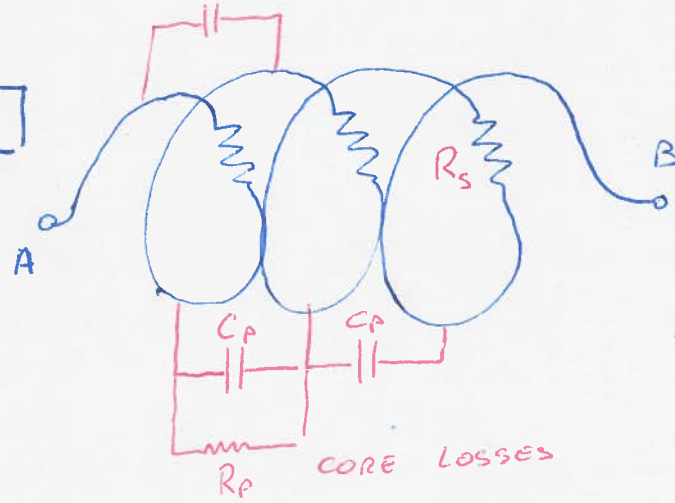


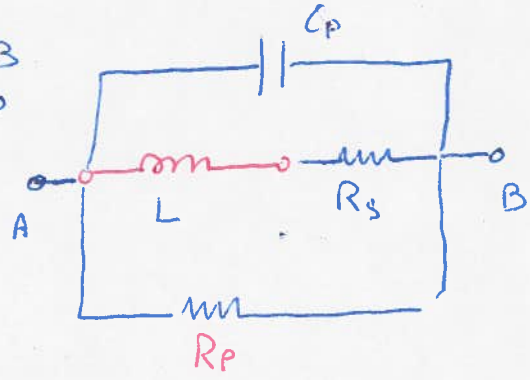
ALTA R_S → IMPORTANZE C_P

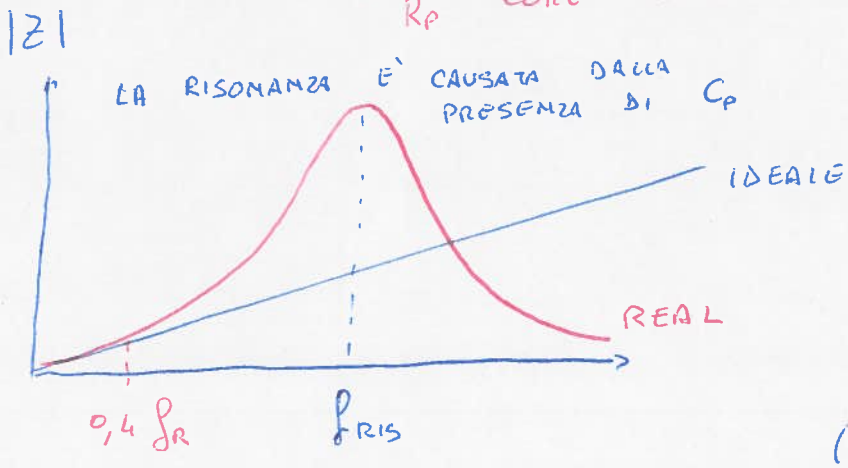
BASSA R_S → IMPORTANTE L_S



INDUTTANZE







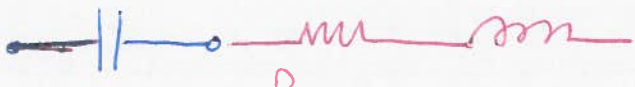
$$f_R = \frac{1}{2\pi}\sqrt{\frac{1}{LC}}$$

NEI PRESSI DI f_R

$L_{APP} \rightarrow \infty$

(PENDENZA ---)

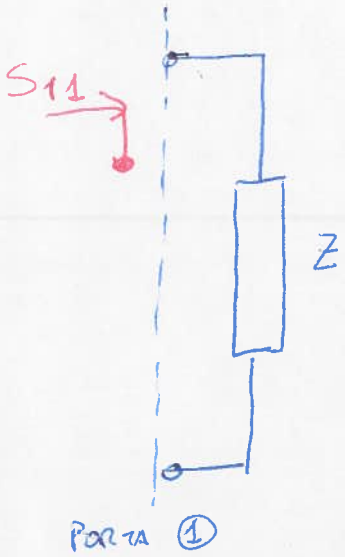
CAPACITA'



$R_{DIEL.}$

R_{OHM}

PARAMETRI S ED IMPEDENZE



$$Z_{REFL} = Z_0 \frac{1 + S_{11}}{1 - S_{11}}$$

$$Z_0 = 50\ \Omega$$

$$Z_T = Z_0 \frac{2(1 - S_{21})}{S_{21}}$$

$$Z_0 = 50\ \Omega$$

SONO CALCOLATE AUTOMATICAMENTE DAL VNA

→ TASTO CONVERSIONE

→ CURSORE NELLA CARTA DI SMITH

NB

$Z_L = j\omega L$

$$Im(z) = 2\pi f L$$

PENDENZA = $2\pi L$