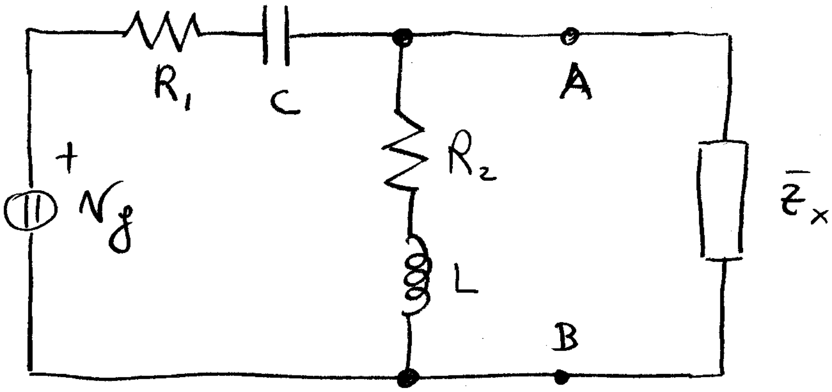
ELE_INFO_2001_12_12 ES. 4



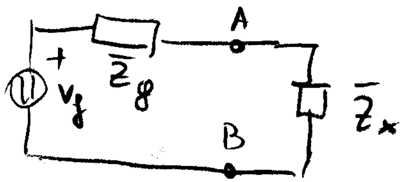
$\bar{Z}_x$ tale che avere max trasf. pot.

$V_g(t) = \cos(t)$

$R_1 = 1$; R_2 1/2 [Ω]

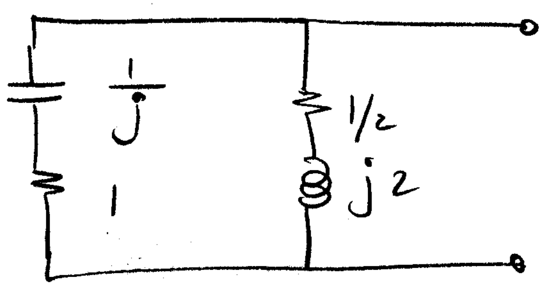
$C = 1$ [F] $L = 2$ [H]

la condizione di max trasf. pot. è verificata se



$\bar{Z}_x = \bar{Z}_g^*$

- calcolo $\bar{Z}_g$ ($\omega = 1$)



$$\bar{Z}_g = (1-j) \,//\, \left(\tfrac{1}{2} + j2\right) = \frac{21-j}{13}$$

$$\Rightarrow \bar{Z}_x = \frac{21+j}{13}$$