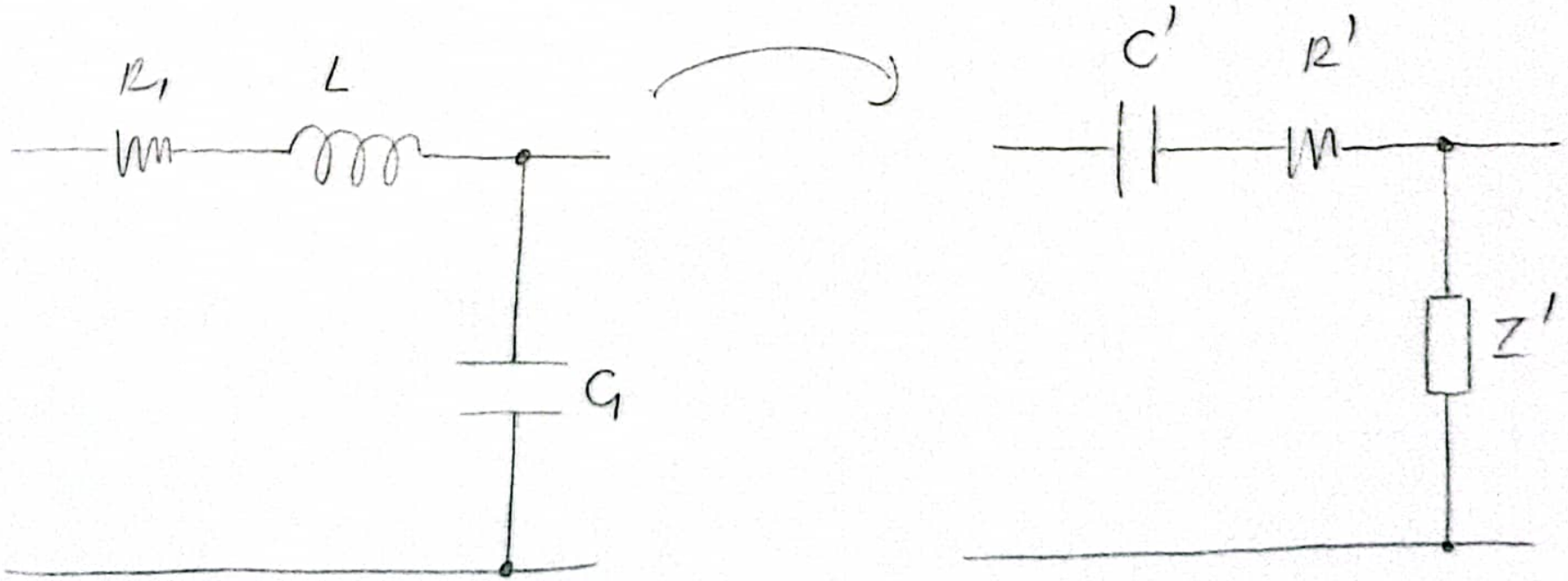
Afectamos únicamente la primera parte del circuito mediante Transformación de Bruton:



$$T(s) = \frac{Z_2}{Z_1 + Z_2} = \frac{Z_2/s}{(Z_1 + Z_2)/s} = \frac{\left(\frac{1}{sC}\right)\left(\frac{1}{s}\right)}{\left(R + sL + \frac{1}{sC}\right)\left(\frac{1}{s}\right)} =$$

$$= \frac{\frac{1}{s^2 C}}{\frac{R}{s} + \frac{sL}{s} + \frac{1}{s^2 C}} = \frac{Z_2'}{Z_1' + Z_2'} \quad ; \quad Z_1' = \frac{R}{s} + L \quad ; \quad Z_2' = \frac{1}{s^2 C}$$

$$Z_1' = \frac{1}{s\left(\frac{1}{R}\right)} + L \quad ; \quad Z_2' = \frac{1}{s^2 D}$$

$$Z_2(j\omega) = -\frac{1}{\omega^2 D}$$