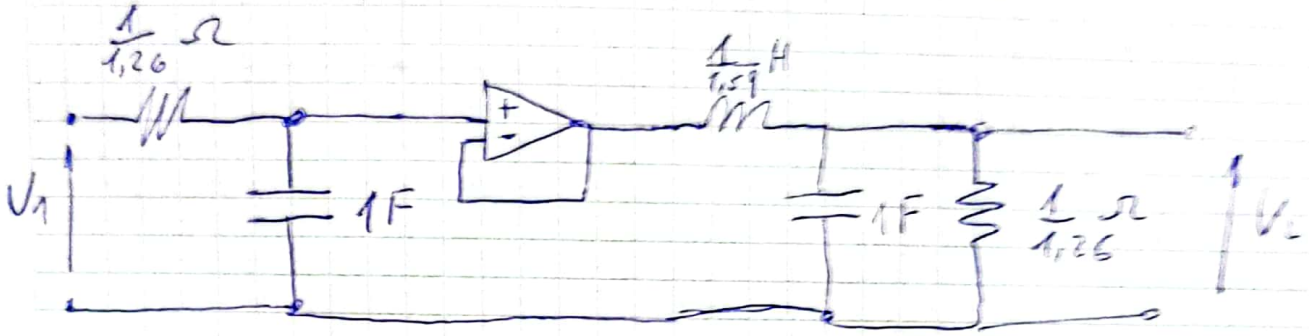
3) Circuito

$$T(s) = \frac{1{,}26}{s+1{,}26} \cdot \frac{\frac{1}{\frac{s}{1{,}59}}}{s+1{,}26+\frac{1}{\frac{s}{1{,}59}}}$$



4)

$C = 100\,nF$

$$C = \bar{C}\frac{1}{\Omega_w \Omega_z} \Rightarrow \Omega_z = \frac{\bar{C}}{\Omega_w C} = \frac{1}{2\pi 1500 \cdot 100\cdot 10^{-9}} = 1061$$

$$L = \bar{L}\frac{\Omega_z}{\Omega_w} = \frac{1}{1{,}59}\cdot\frac{1061}{2\pi 1500} = 0{,}0708\,H$$

$$R = \bar{R}\,\Omega_z = 842{,}06\,\Omega$$