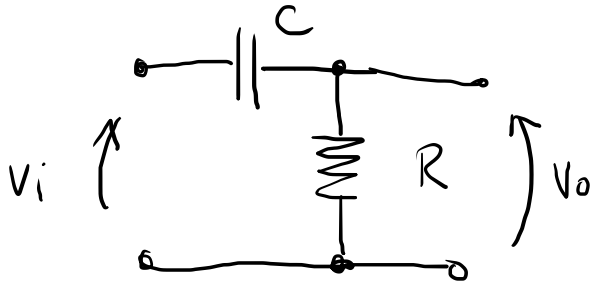
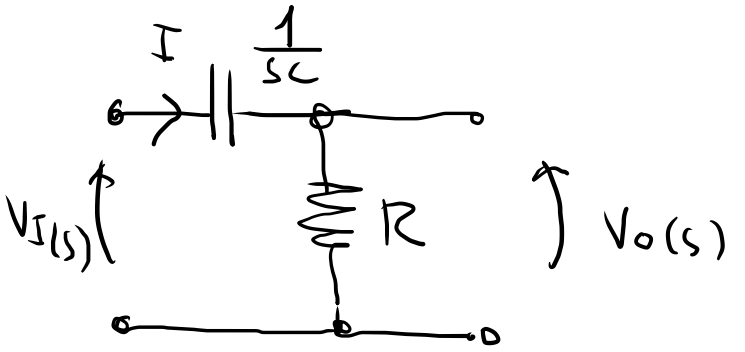


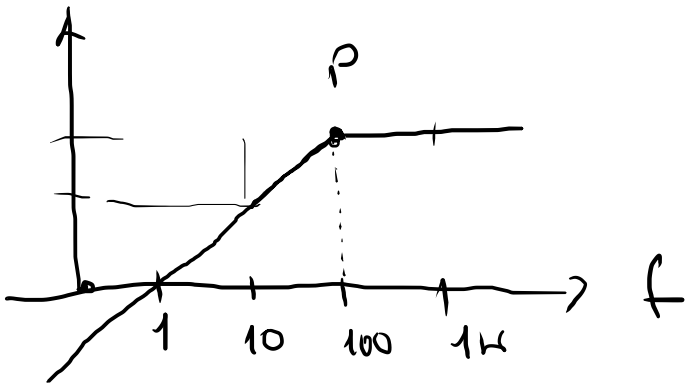
$\mathcal{L}$ → F(s)

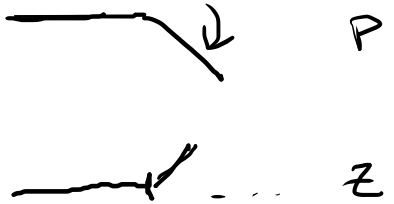


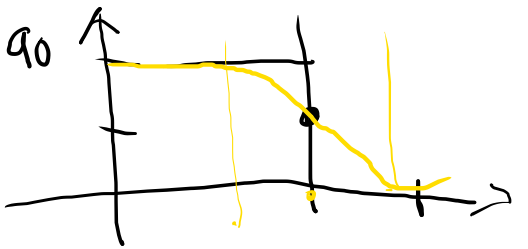
$$V_o = I(s) \cdot R \qquad I = \frac{V_I}{\frac{1}{sC} + R} \qquad V_o = \frac{V_i}{\frac{1}{sC} + R} \cdot R =$$

$$F(s) = \frac{V_o}{V_i} = \frac{R}{\frac{1 + sRC}{sC}} = \frac{s \cdot RC}{1 + sRC} \sim f_c = \frac{1}{2\pi RC}$$

(z: $s \cdot RC$; p: $1 + sRC$)







$$F(s) = \frac{(s+a)(s+b)}{(s+c)(s+d)(s+e)} \cdots$$