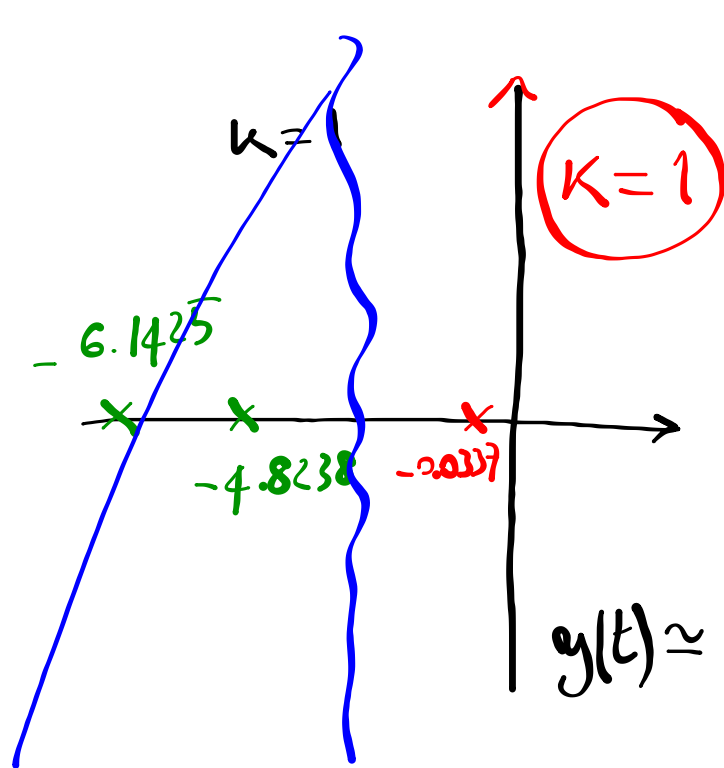
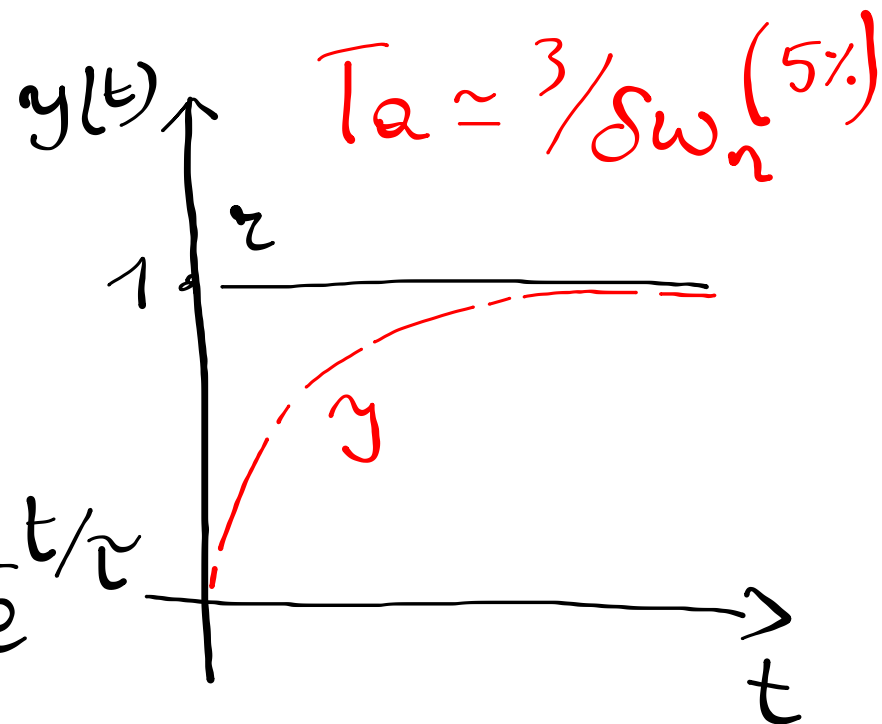




$K=1$

$$y(t) \approx 1 - e^{-t/\tau}$$

$$\tau = 1/0.0337$$



$$R(s) = \boxed{K_1} \cdot \frac{1 + s/9}{1 + s/8}$$

Guadagno
'statico'
($s=0$)
 $= 1$

f.d.t.
forma a costanti
di tempo

Rete Ritardatrice

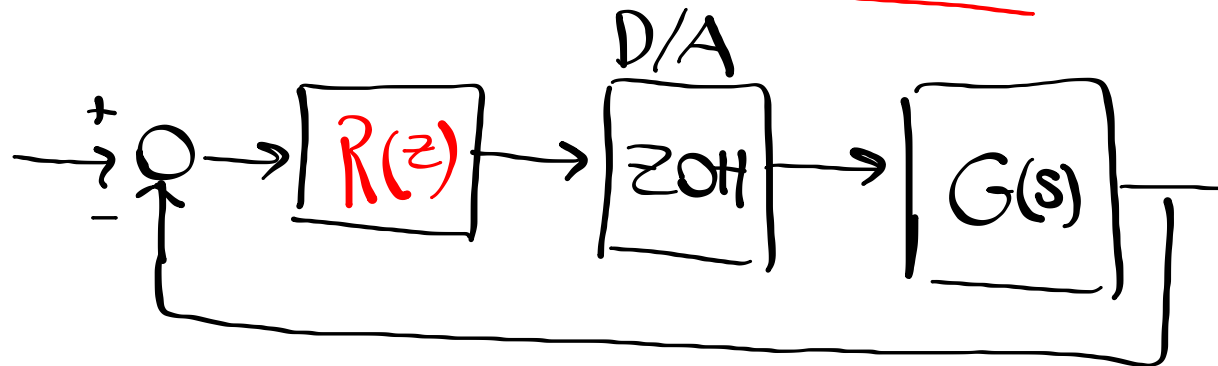
Rete che soddisfa le
specifiche

$$\begin{cases} T_a = 2.28 \text{ s} \\ S\% = 0.67\% \end{cases}$$

$$R(s) = \boxed{30} \frac{1 + s/9}{1 + s/8}$$



Metodo indiretto



Discretizzazione con
Tustin

$$R(z) = R(s) \Big|_{s = \frac{2}{T} \frac{z-1}{z+1}}$$

Metodi α sostituzione
diretta (EI, EA)