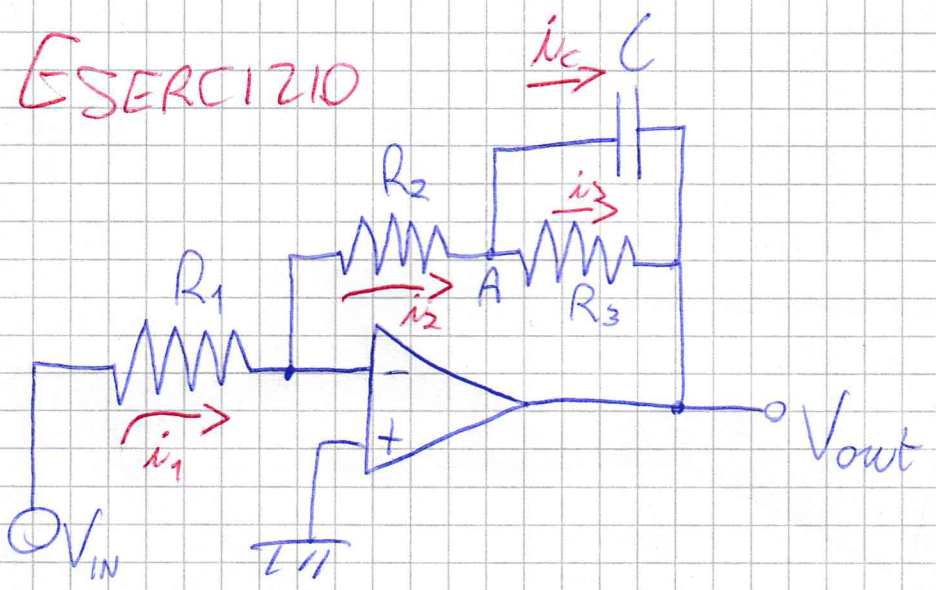
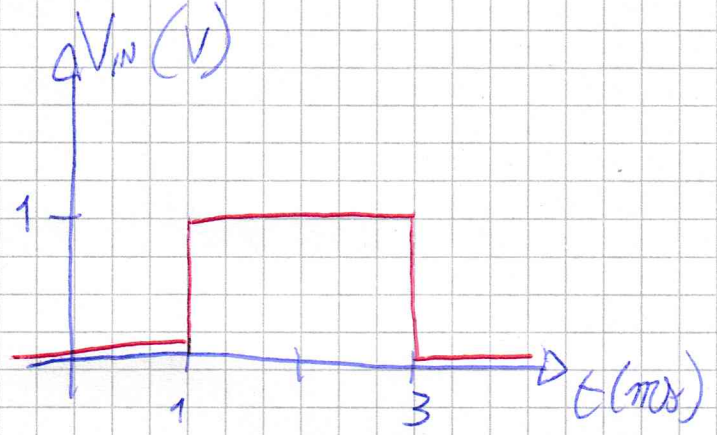
ESERCIZIO



$R_1 = 1\,K\Omega$ $R_2 = 2K\Omega$ $R_3 = 4K\Omega$ $C = 25\,nF$

$L^+ = |L^-| = 10V$



$t = 1^-$ e $t = 3^+$

$V_{IN} = 0\,V$

$V_C = 0V$

$V_{out} = 0V$

$t = 1^+$ C è in c.a.

$V_{IN} = 1\,V$

$$V_{out} = V_{IN}\left(-\frac{R_2 + R_3}{R_1}\right) = -6\,V_{IN} = -6\,V$$

$$\tau = CR_3 = 25 \cdot 10^{-9} \cdot 4 \cdot 10^{3} = 200 \cdot 10^{-6} = 0{,}2\,ms$$