

· Itenuarea

$$A = \frac{1}{\sqrt{1 + \left(\frac{1}{wRC}\right)^2}} = \frac{1}{\sqrt{1 + \left(\frac{1}{1417 \cdot 10^{-2}}\right)^2}} = \frac{1}{\sqrt{1 + \frac{1}{2007}}}$$

$$= \frac{1}{\sqrt{1,009}} = \frac{1}{7,001} \approx 0.99$$

Dârsan Glad

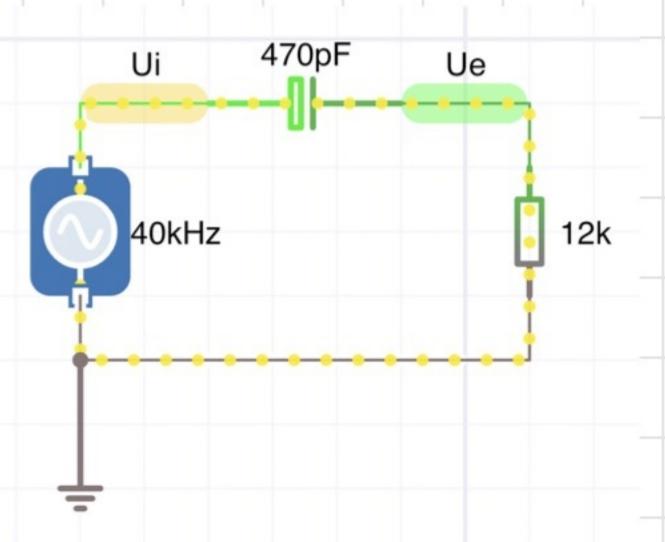
· Defarajul

· Mărurătari · Atenuarea

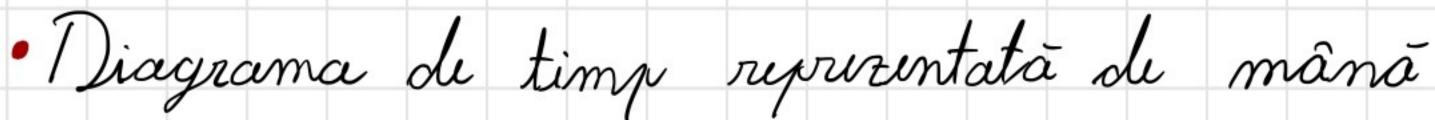
$$A = \frac{U_{i_{W}}}{U_{e_{W}}} = \frac{10 \text{ V}}{9,98 \text{ V}} = 0,99$$

• Delarajul
$$\int_{-\infty}^{\infty} \frac{t \cdot 360^{\circ}}{T} = \frac{0.03 \cdot 360^{\circ}}{2.5} = 4.32^{\circ}$$

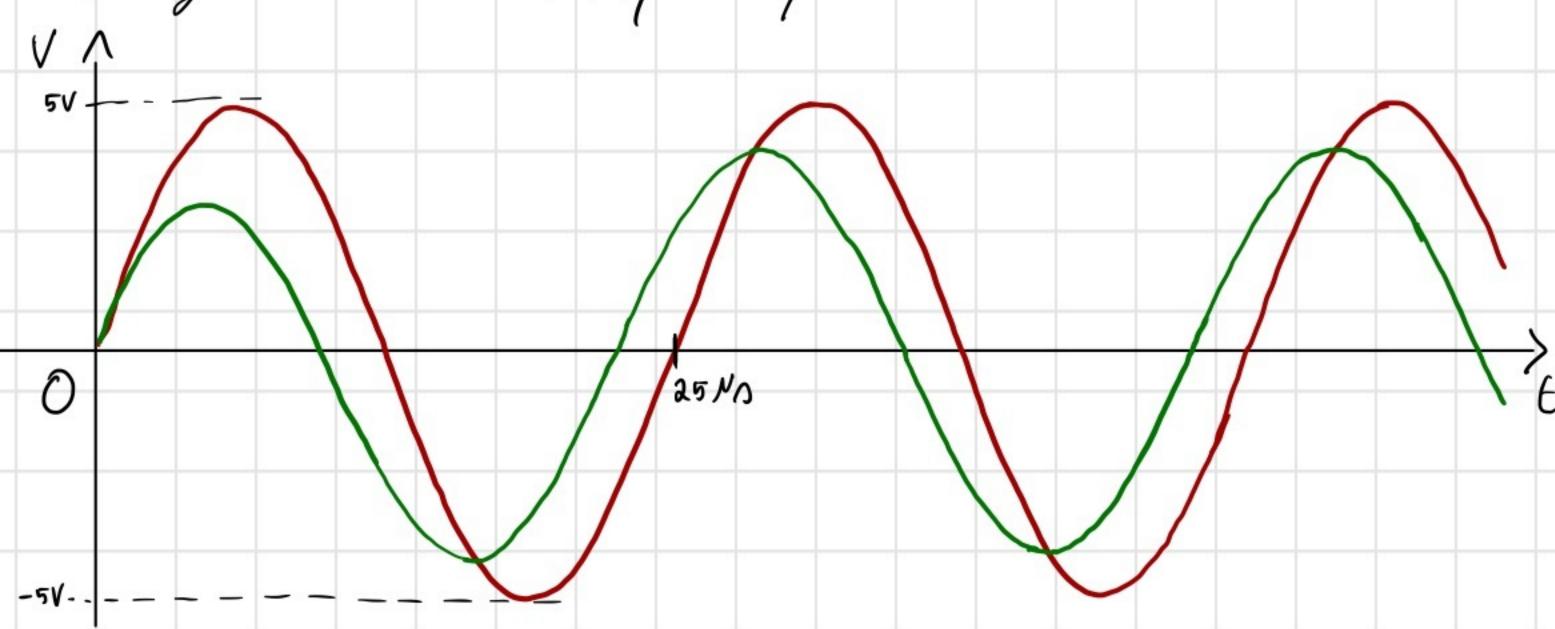
· Simulator:











· Calcule teoretice

$$W = 2\pi f = 8\pi \cdot 10^4$$

· Atenuaria

$$A = \frac{1}{\sqrt{1 + \left(\frac{1}{\omega RC}\right)^{2}}} = \frac{1}{\sqrt{1 + \left(\frac{1}{8\pi \cdot 10^{4} \cdot 12 \cdot 10^{3} \cdot 4,7 \cdot 10^{-10}}\right)^{2}}} = \frac{1}{\sqrt{1 + \left(\frac{1}{1417,486 \cdot 10^{-3}}\right)^{2}}}$$

$$= \frac{1}{\sqrt{1 + \frac{1}{2}}} = \frac{1}{1,224} \approx 0.816$$

· Defarajul

$$\int_{-\infty}^{\infty} anctg\left(\frac{1}{w R C}\right) = anctg\left(\frac{1}{1,417}\right) = anctg\left(0,705\right)$$

$$\cong 35,18^{\circ} = 0,614$$

· Maruratari:

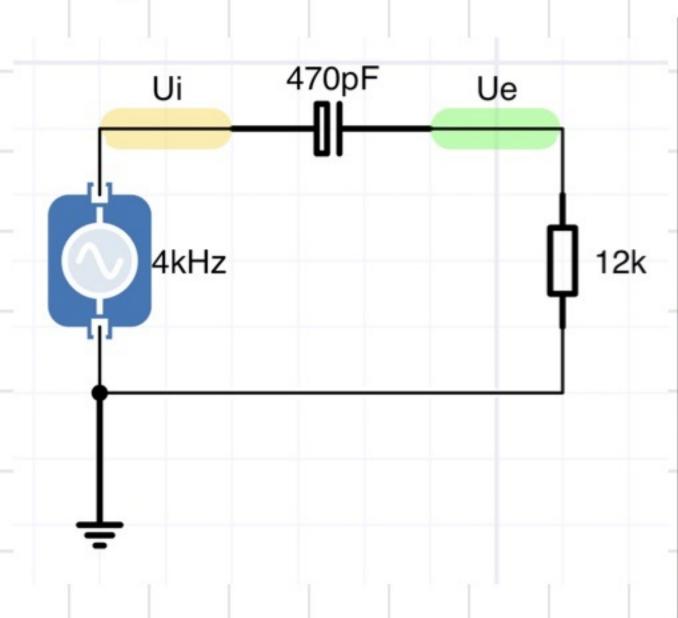
tenuaria
$$A = \frac{Ue_{w}}{Ui_{w}} = \frac{8.17}{10} = 0.817$$

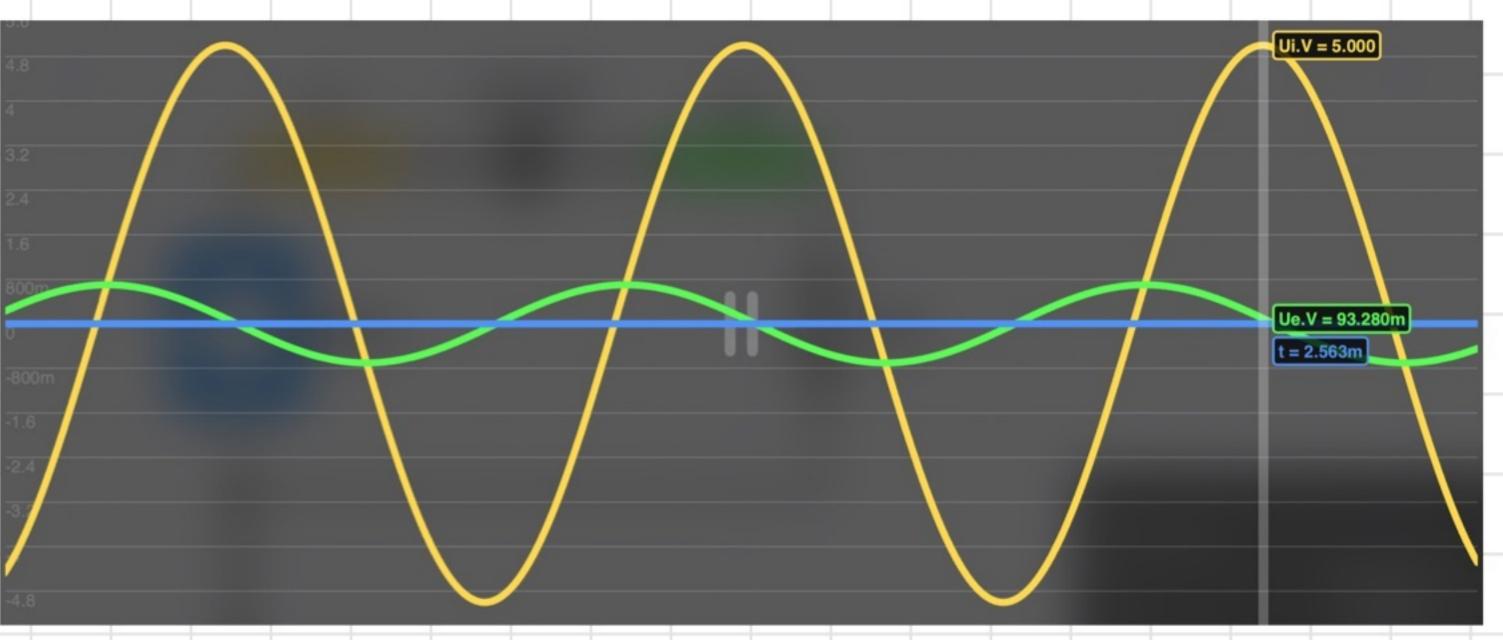
$$\frac{1}{1} = \frac{1}{7} = 25 \, \text{Ms}$$

• Delarajul

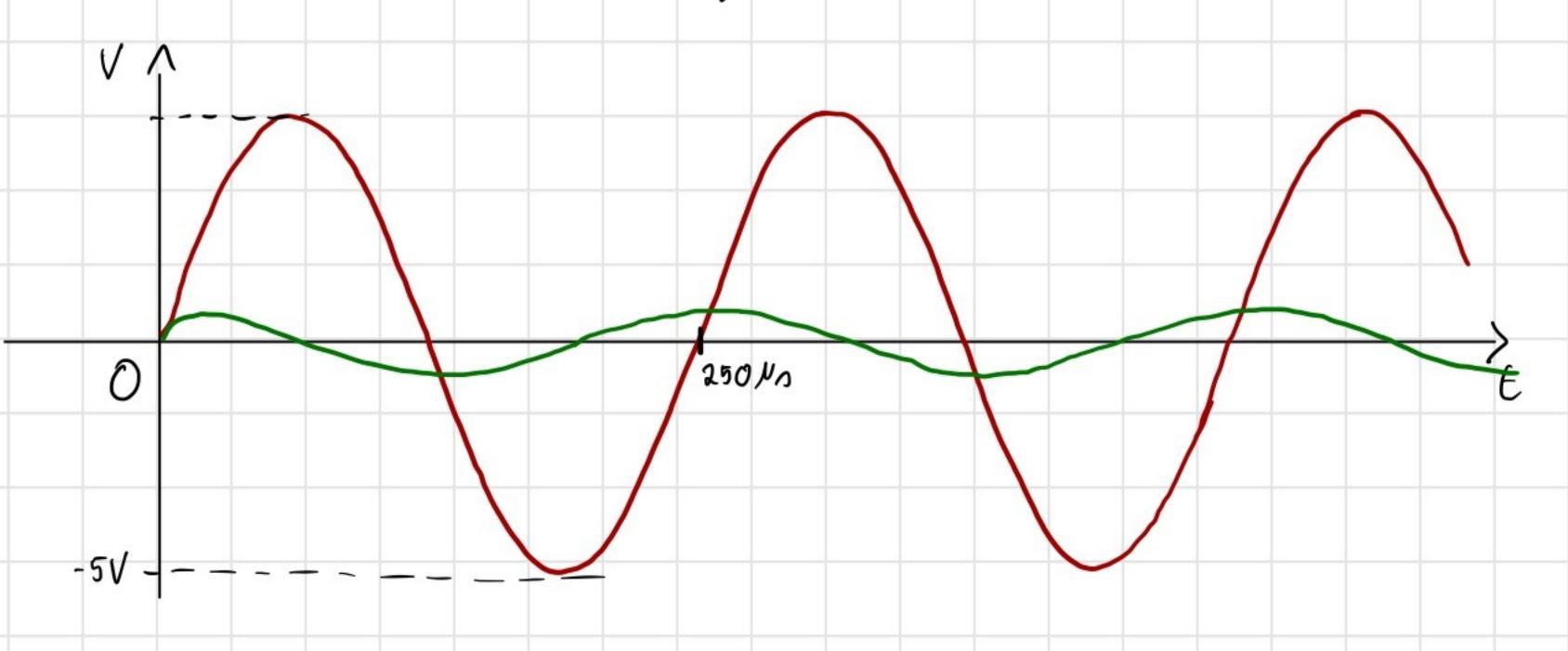
$$T = \frac{1}{7} = 25 \text{ Ns}$$
 $P = \frac{t \cdot 360^{\circ}}{7} = \frac{2.6 \cdot 360^{\circ}}{2.5} = 37.9^{\circ}$

· Simulatar





· Diagrama de timp rurerentata de mâna

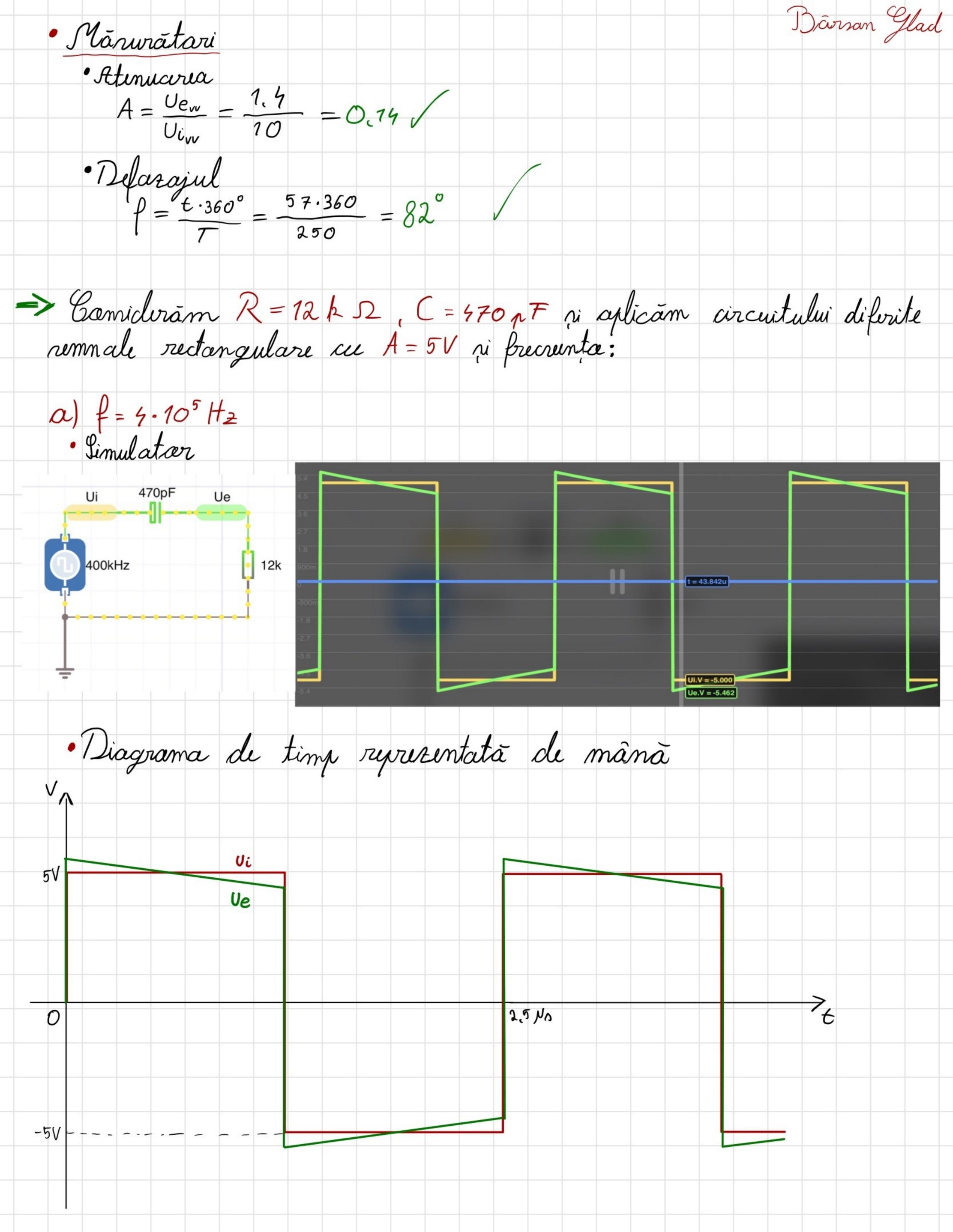


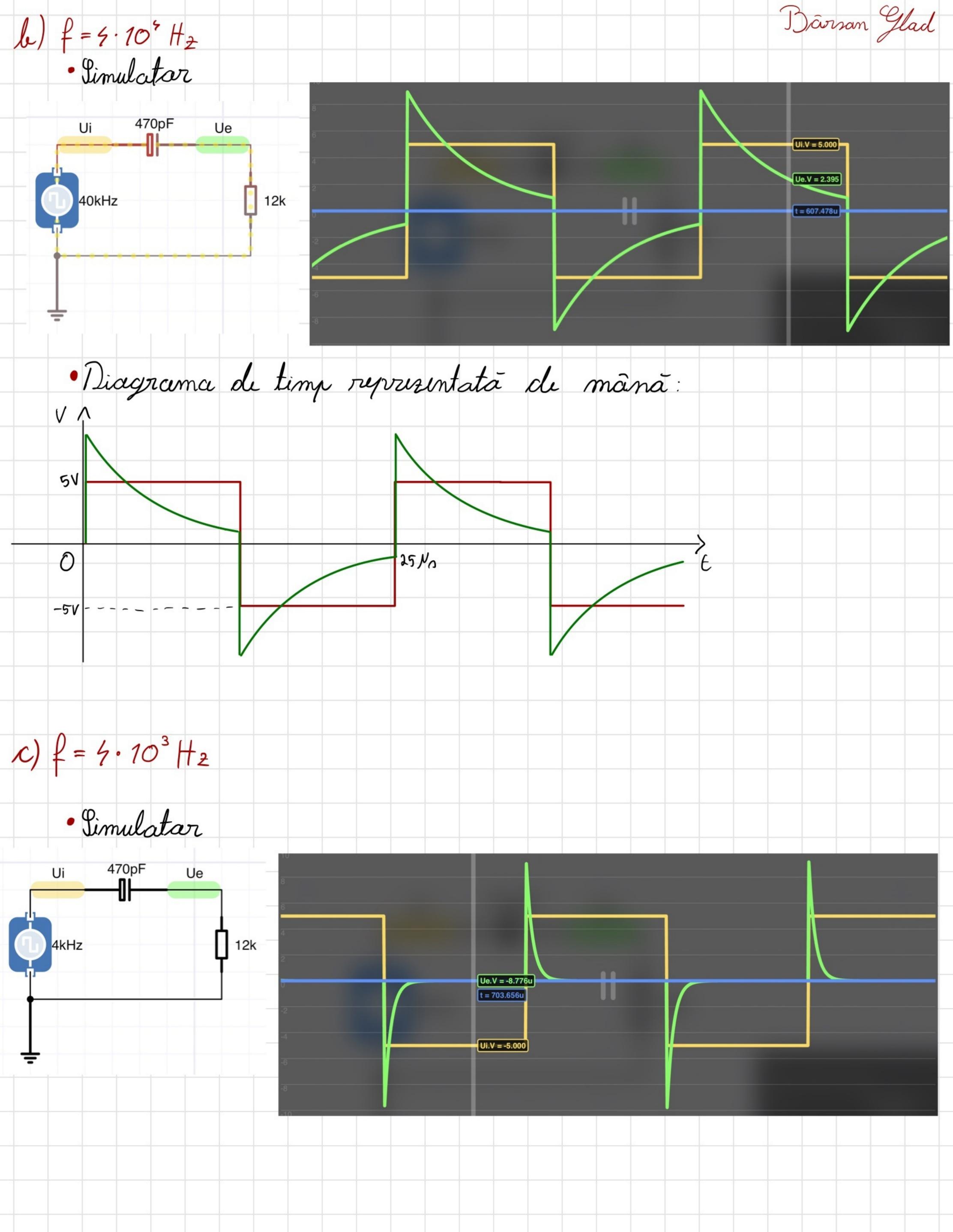
• Calcule tearetice $w = 277 f = 8770^3$ • Itemwarea

$$A = \frac{1}{\sqrt{1 + \left(\frac{1}{WRC}\right)^2}} = \frac{1}{\sqrt{1 + \left(\frac{1}{1417 \cdot 10^{-4}}\right)^2}} = \frac{1}{\sqrt{50.8}} = \frac{1}{7.05} \approx 0.141$$

· Défarajul

$$f = arctg(\frac{1}{WRC}) = arctg(7.05) = 81^{\circ} = 1.42$$





Barran Glad · Diagrama de timp representata de mână 22000 · Calcule tearetice • Timpul de cabarâre tc = 2,2 RC = 2,2 · 12 · 10³ · 7,7·10⁻¹⁰ = 124,08 · 10⁻² = 12,408 NB · Manuratari · Timpul de cabaràre tc = 12,9 Ns