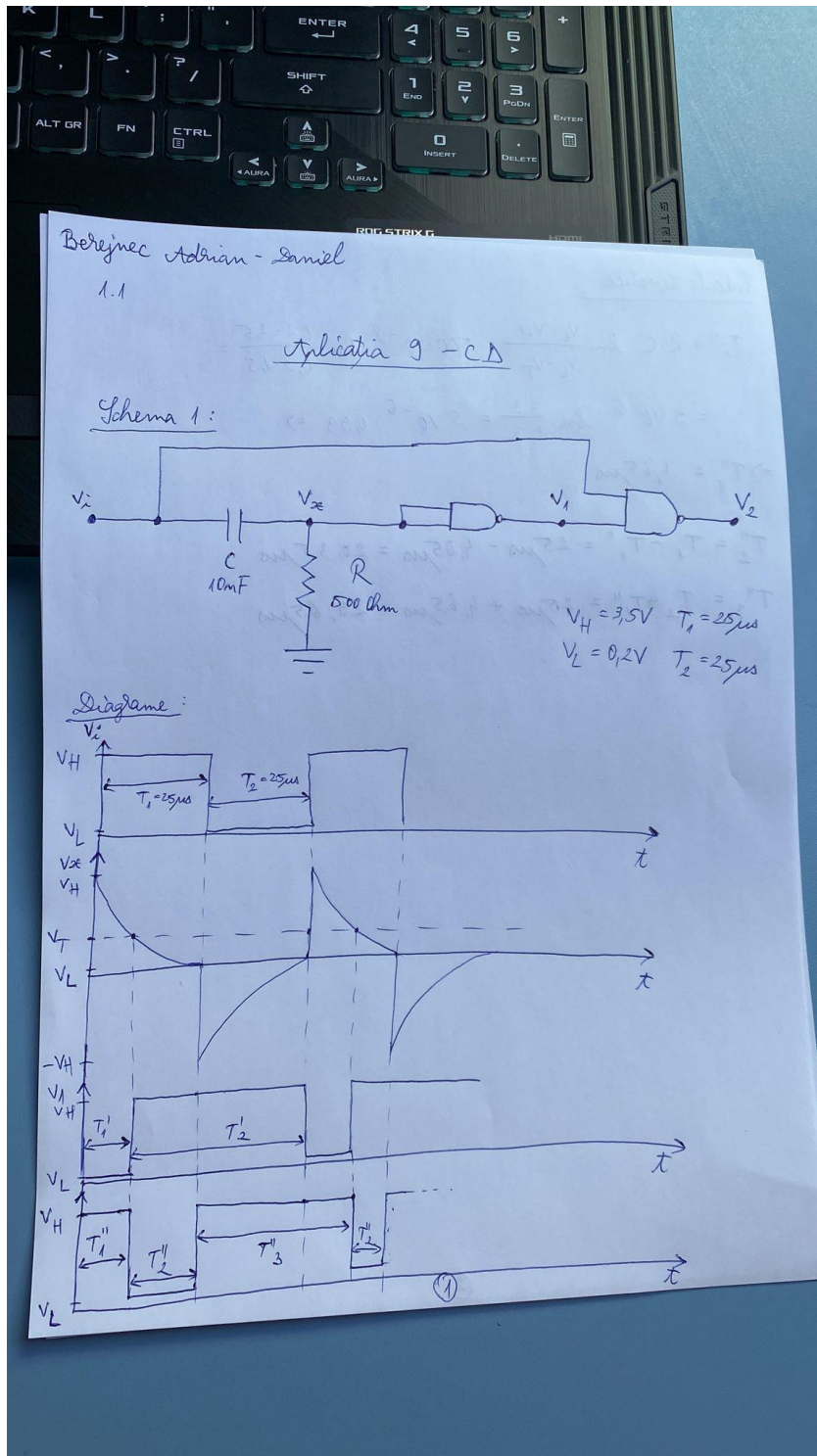


Aplicatia 9 - CD

Schema 1 + diagrame de timp reprezentate de mana:



Calcule teoretice :

Calcule teoretice :

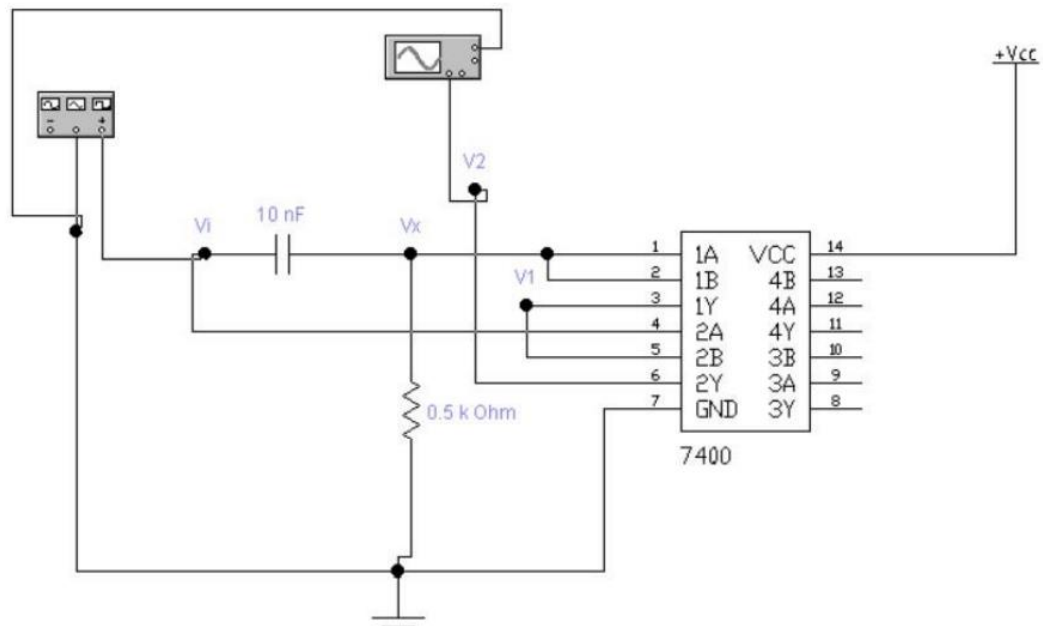
$$T_1'' = R \cdot C \cdot \ln \frac{V_L - V_H}{V_L - V_T} = 500 \cdot 10^{-8} \cdot \ln \frac{0,2 - 3,5}{0,2 - 1,5} =$$
$$= 5 \cdot 10^{-6} \cdot \ln \frac{3,3}{1,3} = 5 \cdot 10^{-6} \cdot 0,93 \Rightarrow$$

$$\Rightarrow T_1'' = 4,65 \mu s$$

$$T_2'' = T_1 - T_1'' = 25 \mu s - 4,65 \mu s = 20,35 \mu s$$

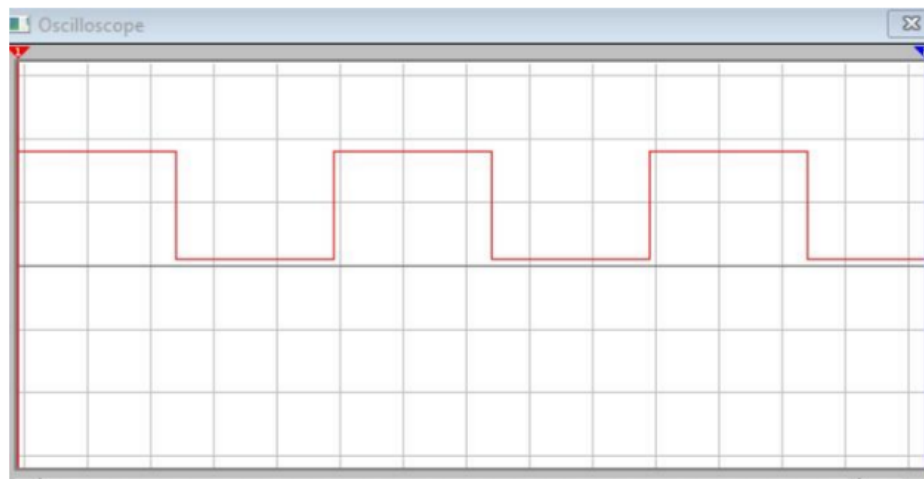
$$T_3'' = T_2 + T_1'' = 25 \mu s + 4,65 \mu s = 29,65 \mu s$$

Circuitul :

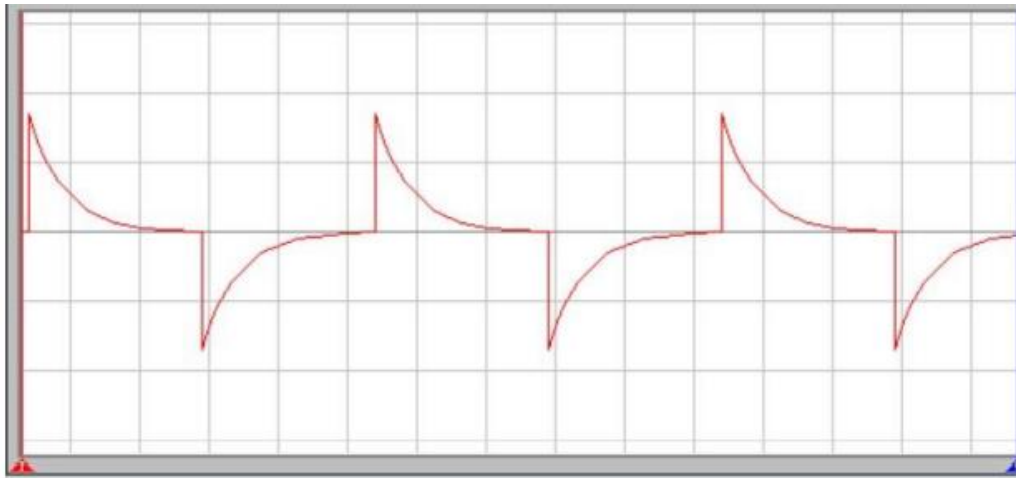


Diagrame simulate:

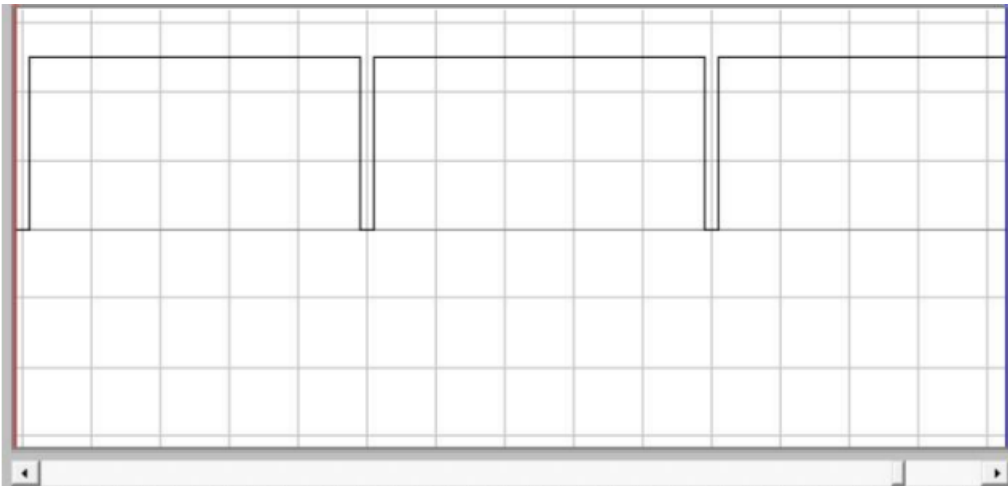
- Vi :



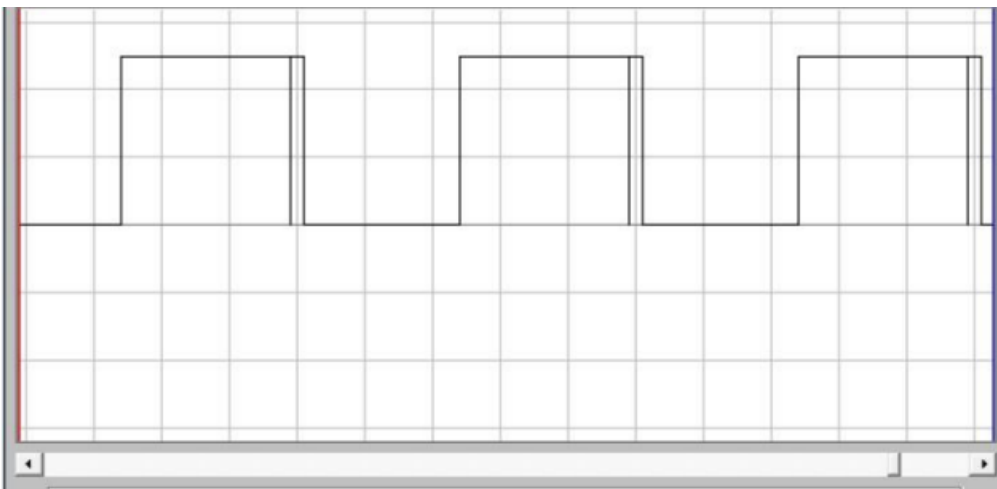
- V_x :



- V_1 :

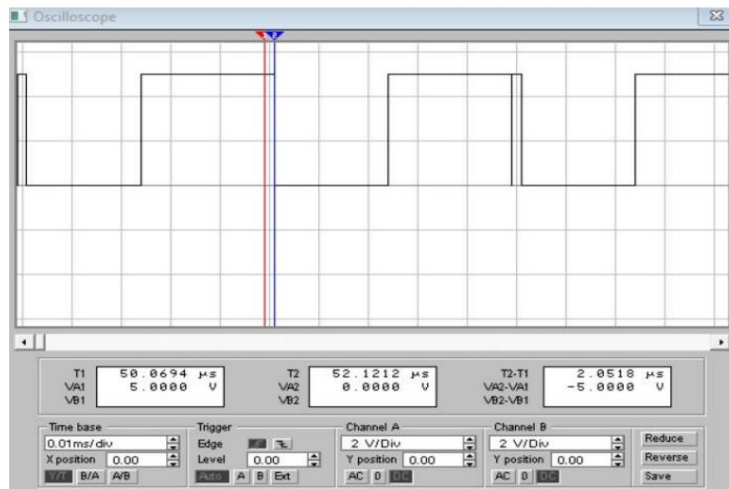


- V_2 :

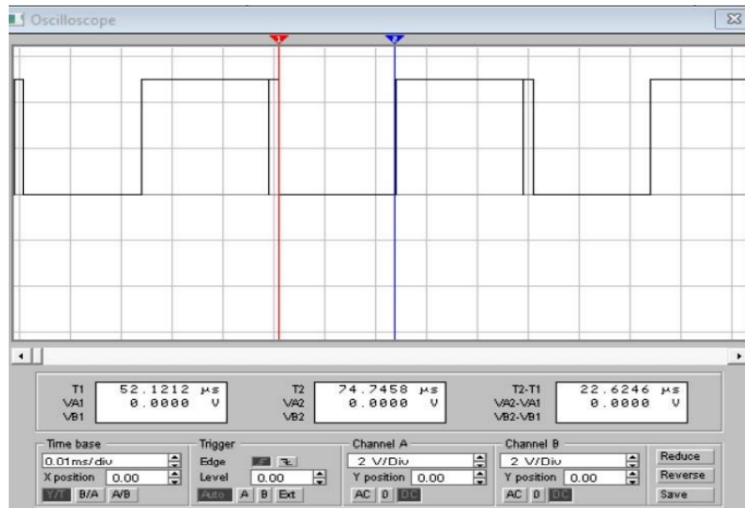


Timpii de la iesirea circuitului :

$T'1 = 2.05 \mu s$



$T'2 = 22.6 \mu s$



$T'3 = 25 \mu s$

