Berejnec Adrian-Daniel 1-1

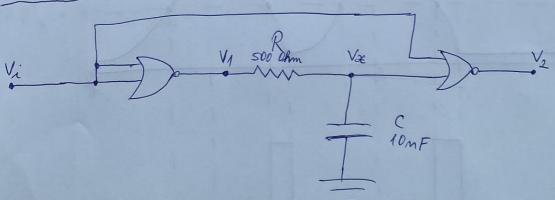
Aplication 8 CD

Talel de adevar:

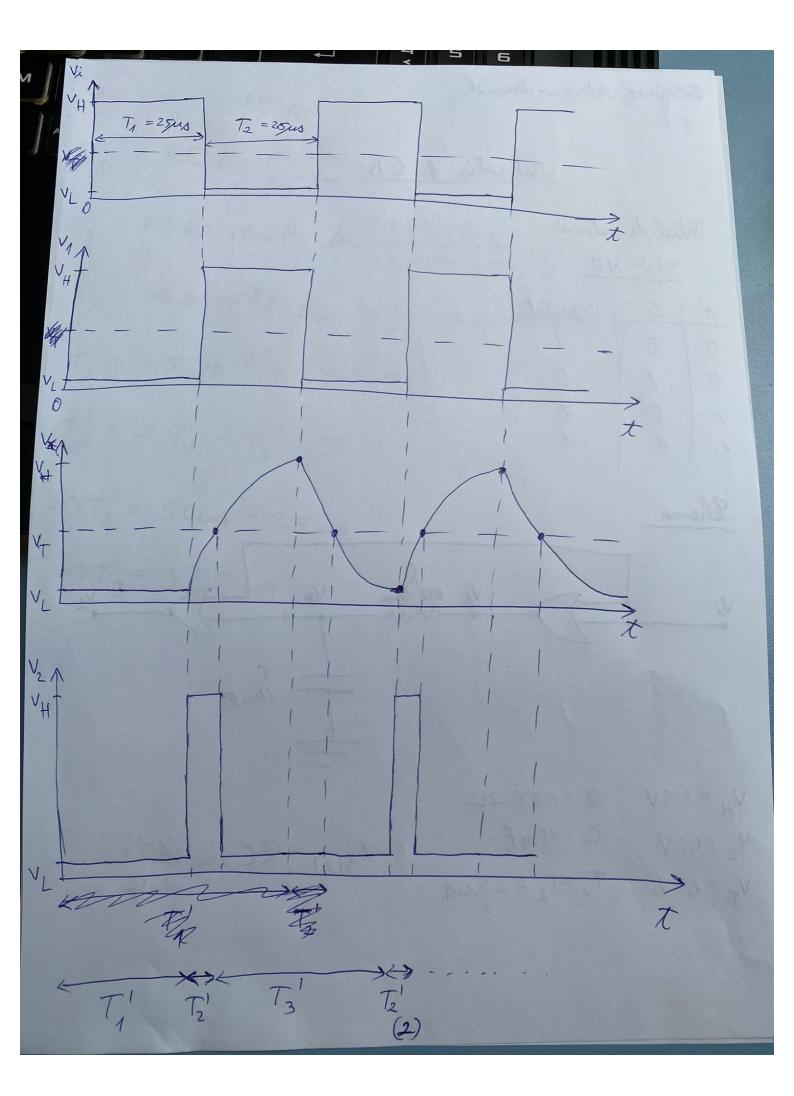
SAU-NU

A	B	Rezultat
0	0	11
0	1	0
1	0	0
1	1	0

Ichema:



$$V_{H} = 3,5V$$
 $R = 500 - \Omega$
 $V_{L} = 0,2V$ $C = 10 \text{ mF}$
 $V_{T} = 1,5V$ $T_{1} = T_{2} = 25 \text{ ms}$



$$T_1' = T_1 = 25 \mu s$$
 $T_2' = RC ln \frac{V_H - V_L}{V_H - V_T}$
 $T_2' = 500 \Omega \cdot 10 mF \cdot ln \frac{3,5 V - 0,2 V}{3,5 V - 1,6 V}$

$$T_2' = 500 - \Omega \cdot 10^{-8} F \cdot \ln \frac{3.3V}{2V} = 5.10^{-6} \cdot 0.5 \text{ s}$$

$$T_2' = 2.5 \cdot 10^{-6} \text{ s} = 2.5 \text{ ms}$$

$$T_3^1 = 2 \cdot T_1 - T_2^1 =)$$

$$= T_3' = 50 \mu s - 2,5 \mu s$$