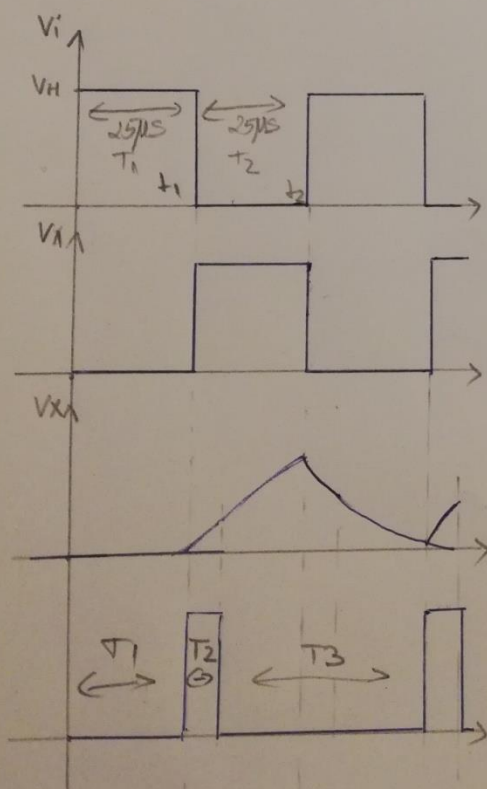


## - Lucrarea 10 -

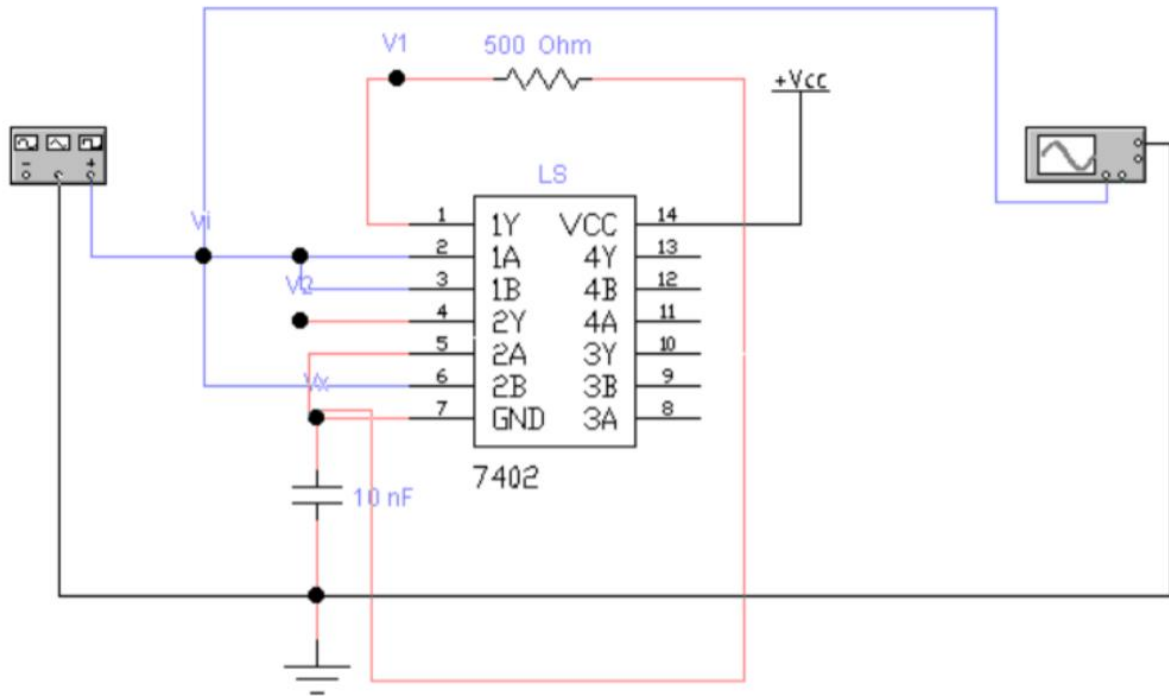
### - Aplicații ale circuitelor integrate, realizate cu porți TTL -

#### ● Diagramele de timp

$$\begin{aligned} R &= 500 \Omega & V_H &= 3,5V & T_1 &= 25 \mu s \\ C &= 10 \text{ mF} & V_L &= 0,2V & T_2 &= 25 \mu s \\ \tau &= R \cdot C = 5 \mu s \\ t_n &= 2,2 \cdot R \cdot C = 11 \mu s \end{aligned}$$



$$\begin{aligned} T_1 &= 25 \mu s \\ T_2 &= RC \ln \frac{V_L - V_H}{V_L - V_T} = 5 \ln \frac{3,3}{1,3} \approx 5 \mu s \\ T_3 &= 50 - T_2 \approx 45 \mu s \end{aligned}$$



$V_i$ (primele 2),  $V_1$ (urmatoarele 2),  $V_x$ ,  $V_2$

