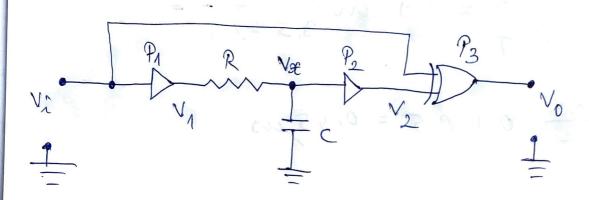
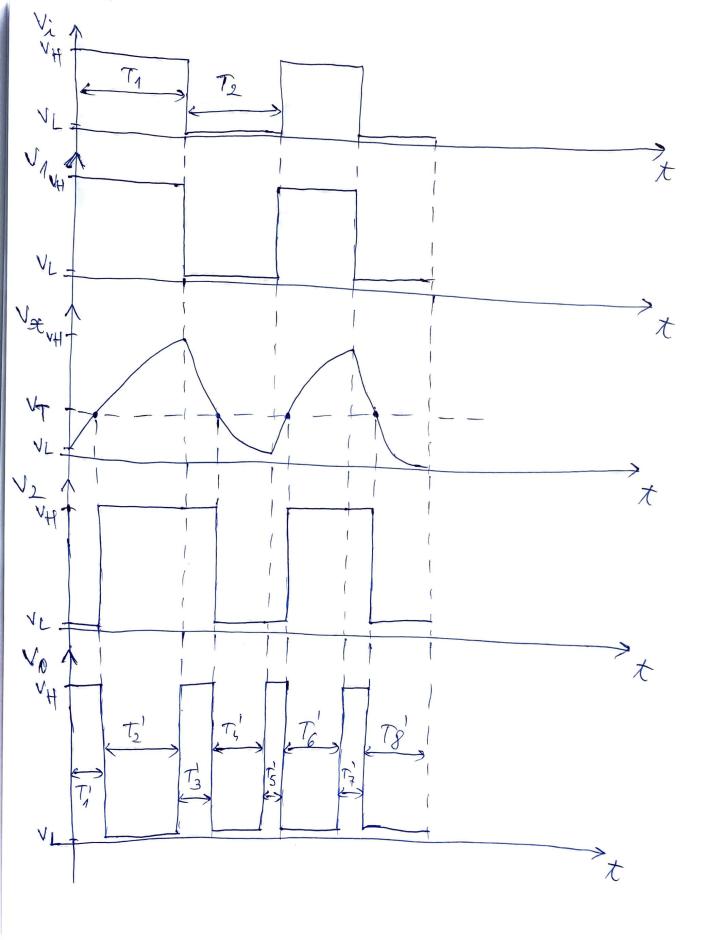
Berejnec Adrian - Somie



P3 posta XOR



$$R \cdot C = 0.3k - \Omega \cdot SmF = 0.9 \text{ ms}$$

$$T_1' = R \cdot C \cdot lm \frac{V_H - V_L}{V_H - V_T} = 0.9 \cdot lm \frac{3.5 - 0.2}{3.5 - 1.5} = 0.9 \cdot lm \frac{3.5 - 0.2}{3.5 - 1.5}$$

$$= 0,9 \cdot \ln \frac{3,3}{2} = 0,9 \cdot 0,5 = 0,45 \mu s$$

$$T_1 = 0,45 \mu s$$

$$T_2' = T_1 - T_1' = 10 - 0.45 = 9,55 \mu s$$
 $T_3' = R \cdot C \cdot \ln \frac{V_L - V_H}{V_L - V_T} = 0,9 \cdot \ln \frac{0.2 - 3.5}{0.2 - 1.5} = 0$

$$=0,9\cdot0,9=0,81 \mu s$$

 $T_3'=0,81 \mu s$

$$T_{4}^{\prime} = T_{2} - T_{3}^{\prime} = 10 - 0,81 = 9,19 \text{ ms}$$

$$T_{4}^{\prime} = 9,19 \text{ ms}$$

$$T_{4}^{\prime} = 9,19 \text{ ms}$$

$$T_5 = R \cdot C \cdot \ln \frac{VH - VL}{VH - VT} = T_1 = 0,45 \text{ us}$$

$$T_{6}^{\prime} = T_{2}^{\prime} = 9,05 \mu s$$

 $T_{7}^{\prime} = T_{3}^{\prime} = 0,81 \mu s$ (repetate)
 $T_{8}^{\prime} = T_{1}^{\prime} = 9,19 \mu s$