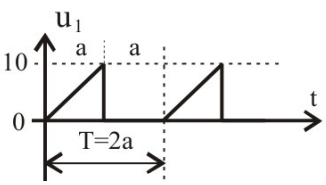

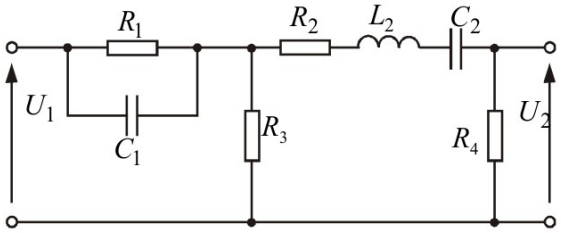

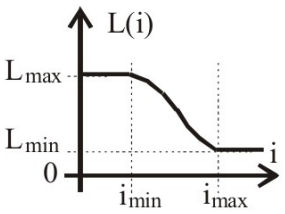

$$\begin{cases} \dfrac{d(U_{C1})}{dt} = \dfrac{i_{L2} + U_1 \times R_3 - U_{C1} \times (R_1 + R_3)}{C_1} \\ \dfrac{d(U_{C2})}{dt} = \dfrac{i_{L2}}{C_2} \\ \dfrac{d(i_{L2})}{dt} = \dfrac{U_1 - U_{C1} - U_{C2} - i_{L2} \times (\dfrac{1}{R_2} + \dfrac{1}{R_4})}{L_2} \end{cases}$$

$$U_2 = \frac{i_L}{R_4}$$

$$value[0] = U_{C1}$$
$$value[1] = U_{C2}$$
$$value[2] = i_{L2}$$