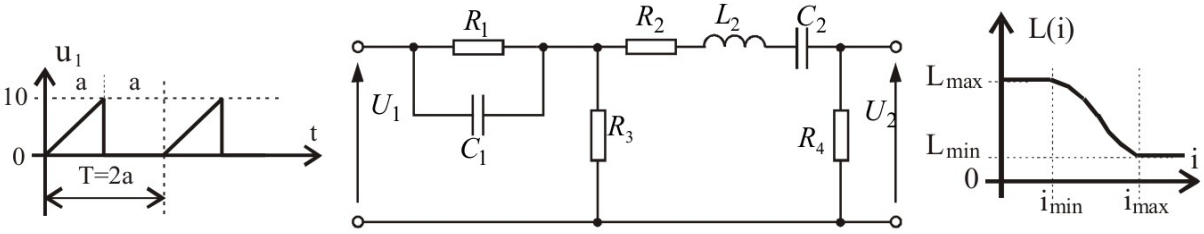

$$\begin{cases} \dfrac{d(U_{C1})}{dt} = \dfrac{i_{L2} + \dfrac{U_1}{R_3} - U_{C1} \times \left(\dfrac{1}{R_1} + \dfrac{1}{R_3}\right)}{C_1} \\ \dfrac{d(U_{C2})}{dt} = \dfrac{i_{L2}}{C_2} \\ \dfrac{d(i_{L2})}{dt} = \dfrac{U_1 - U_{C1} - U_{C2} - i_{L2} \times (R_2 + R_4)}{L_2} \end{cases}$$

$$U_2 = i_L \times R_4$$

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