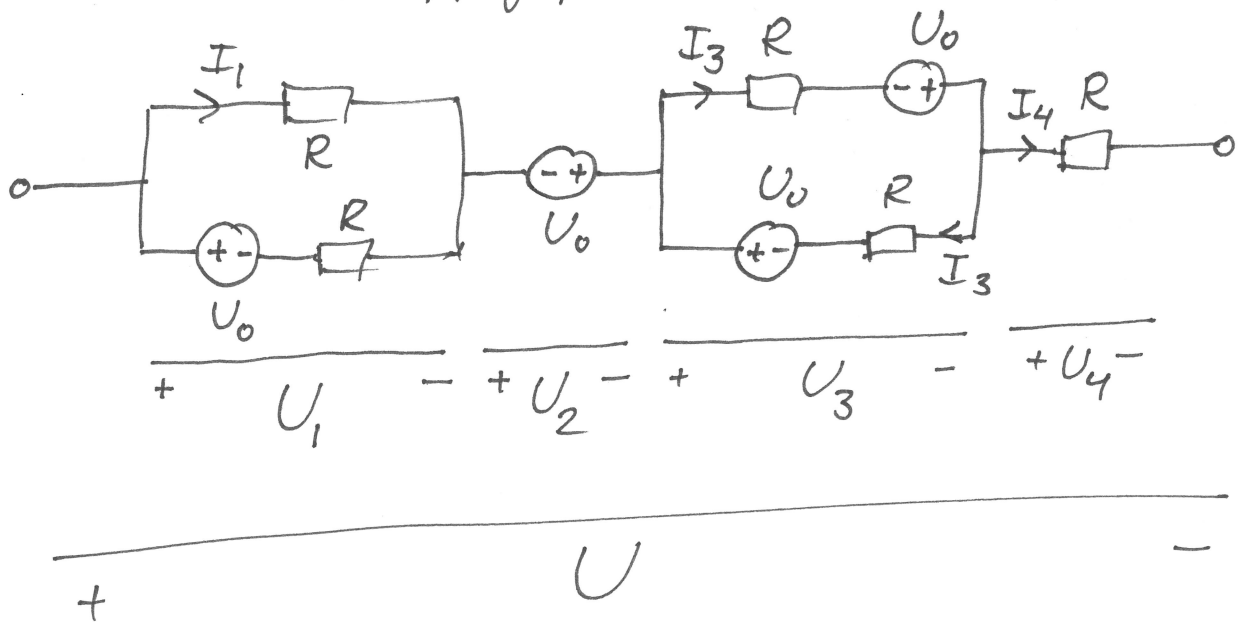


Lektion 1, uppgift 3:



sök U_1 : $I_1 = \frac{U_0}{2R}$, $U_1 = R \cdot I_1 = \frac{U_0}{2}$

sök U_2 : $U_2 = -U_0$

sök U_3 : $I_3 = \frac{2U_0}{2R} = \frac{U_0}{R}$

$$U_3 = -RI_3 + U_0 = -U_0 + U_0 = 0$$

sök U_4 : $I_4 = 0 \Rightarrow U_4 = RI_4 = 0$.

Totalt: $U = U_1 + U_2 + U_3 + U_4 = \frac{U_0}{2} - U_0 + 0 + 0 = -\frac{U_0}{2}$