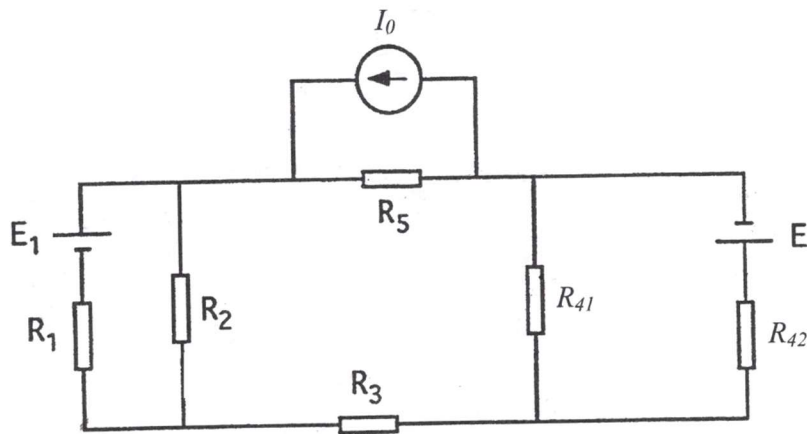
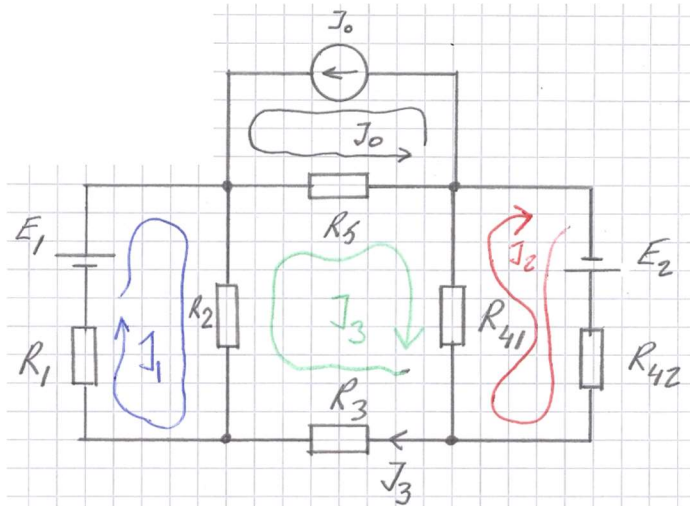


A1.6 Beräkna strömmen genom R_3 .



- $I_0 = 1,0 \text{ A}$
- $E_1 = 6,0 \text{ V}$
- $E_2 = 12 \text{ V}$
- $R_1 = 6,0 \Omega$
- $R_2 = 12 \Omega$
- $R_3 = 2,0 \Omega$
- $R_{41} = 8,0 \Omega$
- $R_{42} = 8,0 \Omega$
- $R_5 = 10 \Omega$



$$+ E_1 - R_2(J_1 - J_3) - R_1 J_1 = 0 \dots (1)$$

$$+ E_2 - R_{42} J_2 - R_{41}(J_2 - J_3) = 0 \dots (2)$$

$$- R_3 J_3 - R_2(J_3 - J_1) - R_5(J_0 + J_3) -$$

$$- R_{41}(J_3 - J_2) = 0 \dots (3)$$

LÖSNING AV EKVATIONSSYSTEMET

$$\Rightarrow J_1 = 0,33 \text{ A} ; J_2 = 0,75 \text{ A} ; J_3 = 0$$