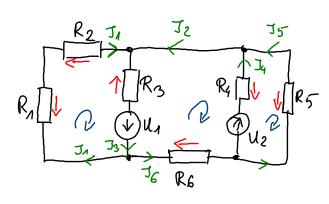
Carczenia z metody oczkowej Przyktad 1



$$J_{3} = J_{1} + J_{2}$$

$$J_{3} = J_{1} + J_{6}$$

$$J_{6} = J_{4} + J_{5}$$

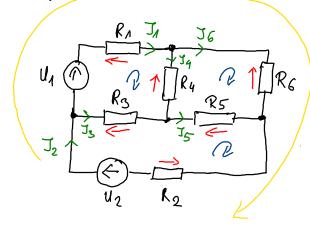
$$J_{5} + J_{4} = J_{2}$$

$$U_{1} - R_{1}J_{1} - R_{2}J_{1} - R_{3}J_{3} = 0$$

$$-U_{1} - U_{2} + R_{3}J_{3} + R_{4}J_{4} + R_{6}J_{6} = 0$$

$$U_{2} - R_{4}J_{4} + R_{5}J_{5} = 0$$

Pryhtad 2



$$J_{1} = J_{6} + J_{4}$$

$$J_{5} = J_{3} + J_{4}$$

$$J_{2} = J_{3} + J_{1}$$

$$J_{2} = J_{5} + J_{6}$$

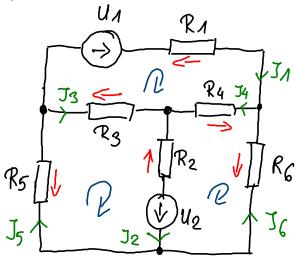
$$U_{1}-R_{1}J_{1}-J_{4}R_{4}+R_{3}J_{3}=0$$

$$U_{2}-R_{3}J_{3}-J_{5}R_{5},-R_{2}J_{2}=0$$

$$J_{4}R_{4}-J_{6}R_{6}+R_{5}J_{5}=0$$

Q $U_2+U_1-R_1J_1-R_6J_6-R_2J_2=0$ (dodatkawo dle occha zożonego z zewnętnnych elementów)





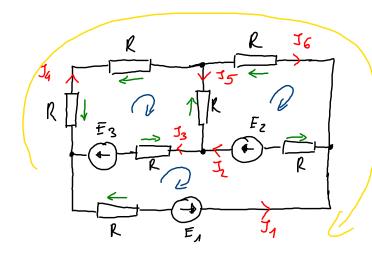
$$J_{2} = J_{3} + J_{4}$$
 $J_{5} = J_{1} + J_{3}$
 $J_{4} = J_{1} + J_{6}$
 $J_{2} = J_{6} + J_{5}$

$$U_{1} - R_{1}J_{1} - R_{4}J_{4} + R_{3}J_{3} = 0$$

$$-R_{5}J_{5} - R_{3}J_{5} - R_{2}J_{2} + V_{2} = 0$$

$$-U_{2} + R_{2}J_{2} + R_{4}J_{4} + R_{6}J_{6} = 0$$

Przykład 4



$$J_{2} = J_{A} + J_{6}$$

$$J_{2} + J_{7} = J_{3}$$

$$J_{3} = J_{4} + J_{4}$$

$$J_{4} = J_{5} + J_{6}$$

$$E_{3} - 2 \cdot J_{4}R - J_{5}R - J_{3} \cdot R = 0$$

$$E_{2} + J_{5} \cdot R - J_{6}R - J_{7} \cdot R = 0$$

$$-(E_{A} + E_{2} + E_{3}) + J_{7}R + J_{3}R + J_{4}R = 0$$