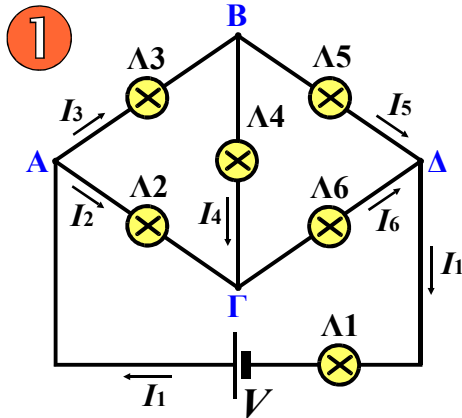
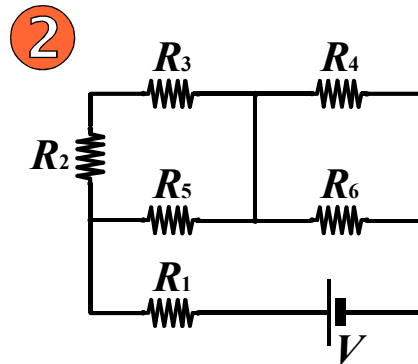


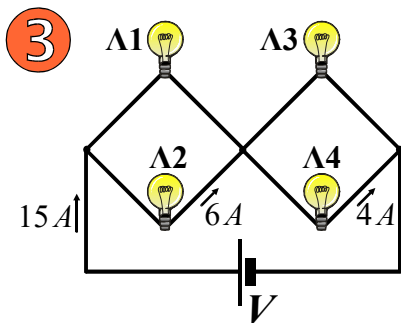


$$\begin{aligned} I_1 &= 30 \text{ A} \\ I_2 &= 20 \text{ A} \\ I_6 &= 10 \text{ A} \\ I_3 &= ? \\ I_4 &= ? \\ I_5 &= ? \end{aligned}$$

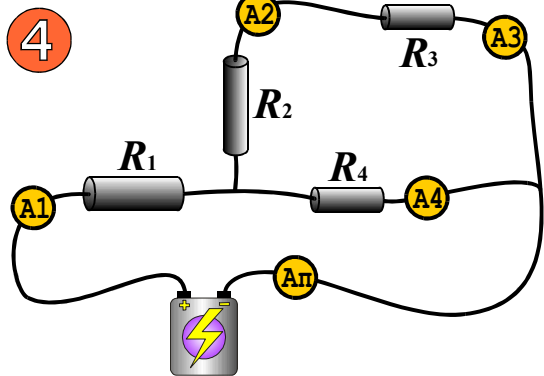


$$\begin{aligned} I_{R1} &= 10 \text{ A} \\ I_{R2} &= 4 \text{ A} \\ I_{R6} &= 1 \text{ A} \end{aligned}$$

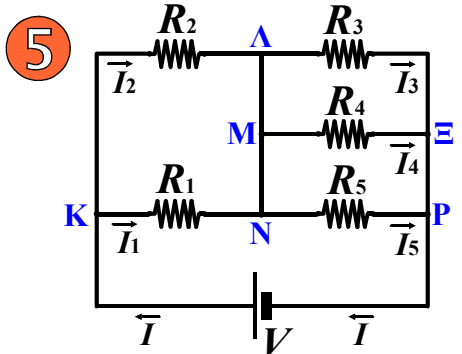
Να βρεθούν τα υπόλοιπα ρεύματα



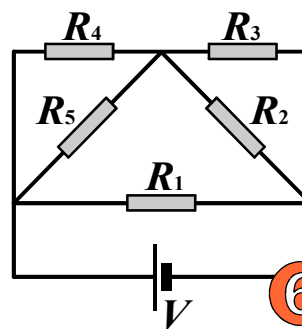
Να βρεθούν τα υπόλοιπα ρεύματα



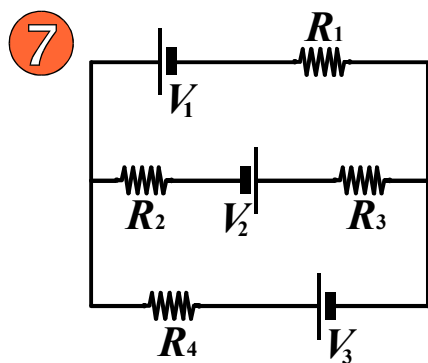
$$\begin{aligned} A1 &= ? \\ A2 &= ? \\ A3 &= 2 \text{ A} \\ A4 &= 4 \text{ A} \\ A\pi &= ? \end{aligned}$$



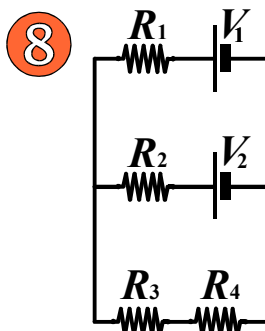
$$\begin{aligned} I &= 10 \text{ A} & I_1 &= ? \\ I_2 &= 2 \text{ A} & I_4 &= ? \\ I_3 &= 6 \text{ A} & I_{\Lambda M} &= ? \\ I_5 &= 3 \text{ A} & I_{MN} &= ? \\ & & I_{\Xi P} &= ? \end{aligned}$$



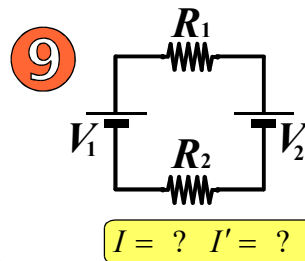
$$\begin{aligned} I_{R4} &= 2 \text{ A} \\ I_{R5} &= 5 \text{ A} \\ I_{\pi\eta\gamma\eta\varsigma} &= 10 \text{ A} \\ I_{R1} &= ? \\ I_{R2} &= ? \\ I_{R3} &= 1 \text{ A} \end{aligned}$$



$$\begin{aligned} V_1 &= 20 \text{ V} & R_1 &= 5 \text{ } \Omega & I_1 &= ? \\ V_2 &= 20 \text{ V} & R_2 &= 2 \text{ } \Omega & I_2 &= ? \\ V_3 &= 10 \text{ V} & R_3 &= 3 \text{ } \Omega & I_3 &= ? \\ & & R_4 &= 5 \text{ } \Omega & & \end{aligned}$$



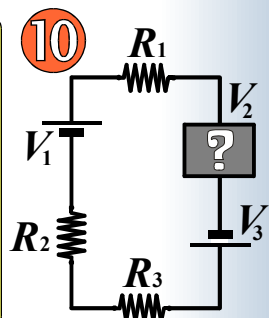
$$\begin{aligned} V_1 &= 10 \text{ V} & R_1 &= 2 \text{ } \Omega \\ V_2 &= 20 \text{ V} & R_2 &= 2 \text{ } \Omega \\ & & R_3 &= 4 \text{ } \Omega \\ & & R_4 &= 6 \text{ } \Omega \\ I_1 &= ? & I_2 &= ? & I_3 &= ? \end{aligned}$$



$$\begin{aligned} V_1 &= 100 \text{ V} \\ V_2 &= 40 \text{ V} \\ R_1 &= 20 \text{ } \Omega \\ R_2 &= 10 \text{ } \Omega \end{aligned}$$

$$I = ? \quad I' = ? \quad (\dots V_2 \rightarrow \text{?})$$

$$\begin{aligned} V_1 &= V_3 = 10 \text{ V} \\ V_2 &= ? (\pm ?) \\ R_1 &= 10 \text{ } \Omega \\ R_2 &= 15 \text{ } \Omega \\ R_3 &= 5 \text{ } \Omega \\ I &= 0,5 \text{ A} \end{aligned}$$



1^{ος} κανόνας Kirchhoff

2^{ος} κανόνας Kirchhoff