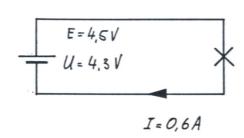
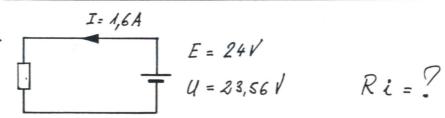
$$E = 12V$$

$$Ri = 70 m \Omega$$

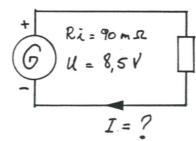
$$U = 9$$



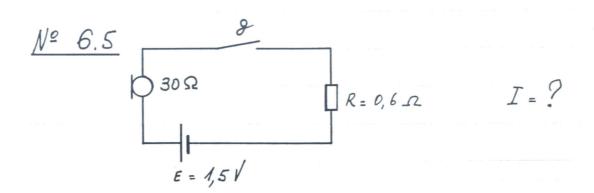
$$U = E - (R_1 \cdot I) \Rightarrow R_1 = \frac{E - U}{I} = \frac{4,6 - 4,3}{0,6} = \frac{0,33\Omega}{1}$$



$$\mathcal{U} = E - (Ri \cdot I) \Rightarrow \qquad Ri = \frac{E - \mathcal{U}}{I} = \frac{24 - 23,56}{1,6} = \frac{0,275 \Omega}{1}$$



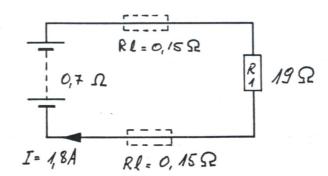
$$Uch = Ri \cdot I \Rightarrow I = \frac{Uch}{Ri} = \frac{8.5}{0.09} = \frac{94.4A}{1}$$



$$Rt = R + R = 30 + 0.6 = 30.6 \Omega$$

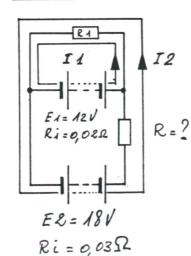
$$I = \frac{U}{R} = \frac{1.5}{30.6} = \frac{49 \text{ m A}}{8}$$

Nº 6.6



$$U ch. = Ri \cdot I = 0.7 \cdot 1.8 = 1.26 V$$
 $U R_1 = R_1 \cdot I = 19 \cdot 1.8 = 34.2 V$
 $U ch. lignes: Rl \cdot I \cdot 2 = 0.15 \cdot 1.8 \cdot 2 = 0.54 V$
 $U battr. = U R_1 + U ch. lignes = 34.2 + 0.54 = 34.74 V$
 $E = U + U ch. = 34.74 + 1.26 = 36 V$

Nº 6.7



$$I_{A} = I_{Z} = \frac{16}{2} = 8 A$$

$$I_{2} \qquad U_{b}H_{r}. \ 1 = F - (R_{i} \cdot I) = 12 - (0.02 \cdot 8) = 11.84 V$$

$$U_{b}H_{r}. \ 2 = F - (R_{i} \cdot I) = 18 - (0.03 \cdot 8) = 17.76 V$$

$$R = \frac{9}{2} \qquad R_{1} = \frac{U_{1}}{I} = \frac{11.84}{8} = 1.48 \Omega$$

$$Rt = \frac{U}{I} = \frac{17,76}{8} = 2,23 \Omega$$

$$\frac{N^{\circ} 6.8}{E = 24V}$$

$$Ri = 1,2\Omega$$

$$I_{1} = 1,2A$$

$$I_{2} = 3A$$

$$A U = ?$$

$$U_{1} = E - (R_{i} \cdot I) = 24 - (1,2 \cdot 1,2) = 22,56$$

$$U_{2} = E - (R_{i} \cdot I) = 24 - (3 \cdot 1,2) = 20,4$$

$$\Delta U = U_{1} - U_{2} = 22,56 - 20,4 = 2,16$$

$$\frac{N^{\circ} 6.9}{E = 85V} + \frac{1}{G}$$

$$U = E - 26\% = 85 - 26\% = 62,9 V$$

$$R = \frac{U}{I} = \frac{62.9}{110} = \frac{0,5718 \Omega}{110}$$

$$\frac{N^{2} 6.10}{Ri = 3,4 \Omega} = E = 9V$$

$$Ri = 4.5 \Omega$$

$$I = ?$$

$$UA = ?$$

$$UR1 = ?$$

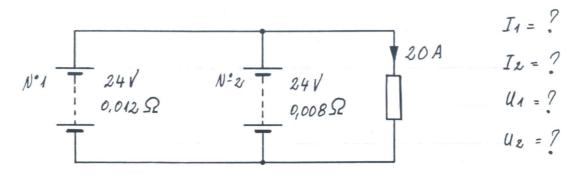
$$RE = R_{1} + Ri + Ri = 32 + 2,4 + 4,5 = 38,9 \Omega$$

$$I = \frac{E_{1} + E_{2}}{RE} = \frac{6 + 9}{38,9} = \frac{0,385 A}{38,9}$$

$$U1 = E_{1} - (Ri \cdot I) = 6 - (2,4 \cdot 0,385) = \frac{5,076 V}{2}$$

$$U2 = E_{2} - (Ri \cdot I) = 9 - (4.5 \cdot 0,385) = \frac{7,263 V}{2}$$

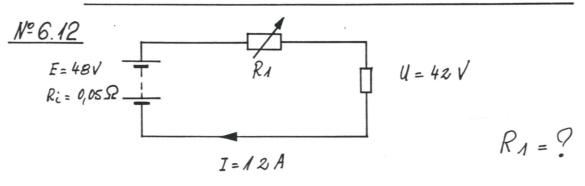
$$UR_{1} = R_{1} \cdot I = 32 \cdot 0,386 = \frac{12,34 V}{2} = U_{1} + U_{2} !$$



 $U_{1} = U_{2}$ I est inversement proportionnel a Ri

plus Ri est grand plus I est petit!

donc $I_{1} = \frac{8}{20}$ et $I_{2} = \frac{12}{20}$ $d'où I_{1} = \frac{8A}{20}$ $U_{2} = \frac{18A}{20}$ $U_{3} = U_{3} =$



Uch. = Ri. I = 0,05.12 = 0,6 V

$$UR_{1} = E - (U + U - h) = 48 - (4z + 0,6) = 5,4V$$

$$R_{1} = \frac{U}{I} = \frac{5,4}{12} = \frac{0,45}{12}$$