$$R = \frac{|| \cdot ||}{A} = \frac{0.0175 \cdot 4.5}{2.5} = 0,0315 \Omega$$

$$I = \frac{U}{R} = \frac{12}{0,0315} = \frac{380,95 \text{ A}}{1}$$

Nº 7.1.2.

$$R = \frac{\int . l}{A} = \frac{0.0175 \cdot 3.21}{8.5} = 0.0224 \Omega$$

$$U = R \cdot I = 0.37 \cdot 15 = 5.55 V$$

$$Uch = Rl \cdot I = 0.0224 \cdot 15 = 0.336 V$$

$$UbaHr. = U + Uch = 5.55 + 0.336 = 5.886 V$$

$$I c/c = \frac{U}{R} = \frac{5,886}{0,0224} = \frac{262,76}{A}$$

Nº 7.1.3

$$R = \frac{f \cdot l}{A} = \frac{0.0175 \cdot 2.6}{35} = 0.0013 \Omega$$

$$Rt = Ri + Rl + R = 0.008 + 0.0013 + 0.00327 = 0.01257 \Omega$$

$$I = \frac{E}{Rt} = \frac{12}{0.01257} = \frac{954.66 A}{0.01257}$$

Nº 7.1.4

a:
$$I c/c = \frac{E}{R;} = \frac{12}{0,0184} = \frac{652,2 A}{0,0184}$$
b: $R = \frac{9.1}{A} = \frac{0,0175 \cdot 3,6}{1.5} = 0,042 \Omega$
 $Rt = R + R; = 0,042 + 0,0184 = 0,0604 \Omega$
 $I = \frac{E}{Rt} = \frac{12}{0,0604} = \frac{1987}{1.5} = \frac{1987}{1.5} = \frac{1}{1.5}$

$$R = \frac{E}{I\%} = \frac{4.5}{1.6} = \frac{2.81 \Omega}{1.6}$$

$$\frac{N^{0}}{I} \overline{7.1.6}$$

$$I \% = \frac{E}{R_{i}} = \frac{42}{0,056} = 750 \text{ A}$$

$$A = 0^{2} \cdot 0,785 = 2^{2} \cdot 0,786 = 3,14 \text{ mm}^{2}$$

$$R = \frac{9 \cdot 1}{A} = \frac{0,0175 \cdot 1.2}{3,14} = 0,0066 \Omega$$

$$Rt = Ri + R = 0,056 + 0,0066 = 0,0626 \Omega$$

$$I = \frac{E}{Rt} = \frac{42}{0,0626} = \frac{670 \text{ A}}{0,0626}$$

$$\frac{N^{0} 7. 1.7.}{a : kt = ki + kl + k = 0.06 + 4.2 + 80 = 84, 26 \Omega}$$

$$I = \frac{E}{kt} = \frac{10}{84.26} = \frac{1.305 A}{1.305 A}$$

b: Rt = Ri + Rl = 0,06 + 4,2 = 4,26
$$\Omega$$

$$I = \frac{E}{Rt} = \frac{110}{4.26} = \frac{26,82}{4.26}$$

C:
$$Rt = R_i + \frac{3}{4} d_0 Rl = 0.06 + \left(\frac{4.2.3}{4}\right) = 3.21 \Omega$$

$$I = \frac{E}{Rt} = \frac{110}{3.21} = \frac{34.26 A}{1}$$

$$J: Rt = Ri + \frac{1}{2} de Rl = 0,06 + (\frac{4,2.1}{2}) = 2,16 \Omega$$

$$I = \frac{E}{Rt} = \frac{110}{2,16} = \frac{50,92 A}{2}$$

$$E : Rt = Ri + \frac{1}{4} de Rl = 0.06 + (\frac{4.2.1}{4}) = 1.11 \Omega$$

$$\frac{I}{Rt} = \frac{E}{Rt} = \frac{110}{1.11} = \frac{99.09 \text{ A}}{1.11}$$

F:
$$Rt = Ri = 0.06 \Omega$$

$$I = \frac{E}{Ri} = \frac{1833.5 A}{0.06}$$

$$R = \frac{9 \cdot \ell}{A} \cdot 2 = \frac{0.0175 \cdot 190}{1.5} \cdot 2 = 4,43^{\circ} \Omega$$

$$I = \frac{1}{R} \cdot 2 = \frac{225}{4,43^{\circ}} = \frac{50,75A}{4,43^{\circ}}$$

Nº 7.2.2

$$R = \frac{9 \cdot l}{A} \cdot 2 = \frac{0.0175 \cdot 14}{2.5} \cdot 2 = 0.196 \Omega$$

$$R : I c/c = \frac{U}{R} = \frac{190}{0.196} = \frac{969.38 A}{0.196}$$

$$Rt = Rl + R = 0.196 + 0.1 = 0.296$$

$$I c/c = \frac{U}{R} = \frac{190}{0.296} = \frac{641.89 A}{0.296}$$

Nº 7.2.3

$$R = \frac{9 \cdot l}{A} \cdot 2 = \frac{0.0175 \cdot 35}{4} \cdot 2 = 0.306 \Omega$$

$$U = U - 8\% = \frac{220 \cdot 92}{100} = 202, 4 V$$

$$I \% = \frac{U}{R} = \frac{202, 4}{0.306} = \frac{661, 43 A}{0.306}$$

Nº 7.3.1

$$R = \frac{\varphi. \ell}{A} \cdot 2 = \frac{0.0175.42.5}{6} \cdot 21 = 0.248 \Omega$$

$$a: I_{c/c} = \frac{u}{R} = \frac{190}{0,248} = \frac{766,12A}{6}$$

b:
$$I \frac{C}{R} = \frac{U}{R} = \frac{100}{0,248} = \frac{443,54}{1}$$

Nº7.3.2

$$R = \frac{\varphi \cdot \ell}{A}$$
. 1.732 = $\frac{0,0175 \cdot 2400}{25}$. 1.782 = 2,909 Ω

$$I = \frac{U}{R_{J}} = \frac{6000}{2,909} = \frac{2062,56 \text{ A}}{2}$$

Nº 7.3.3

$$R_1 = \frac{\varphi_1}{A} \cdot \sqrt{3} = \frac{0.0175 \cdot 40}{70} \cdot 1,73 = 0.0173 \Omega$$

$$R_{2} = \frac{q}{\Lambda} \cdot V_{3} = \frac{0.0175 \cdot 64}{35} \cdot 1,73 = 0.0554 \Omega$$

$$R_3 = \frac{9 \cdot \ell}{4} \cdot \sqrt{3} = \frac{0.0175 \cdot 146}{16} \cdot 1.73 = 0.2765 \Omega$$

$$U = \frac{380.70}{100} = 266 \text{ V}$$

$$I c/c = \frac{U}{R} = \frac{226}{0,349} = \frac{762,17 A}{6}$$

Nº 7. 3.4

$$R = \frac{9.1}{A} \cdot \sqrt{3} = 0.0175 \cdot 250 \cdot 1.73 = 0.386 \Omega$$

$$U = 40\% de U = \frac{500.40}{100} = 200 V$$

$$Ic/c = \frac{U}{R} = \frac{200}{0.386} = \frac{518.13 \, A}{6}$$