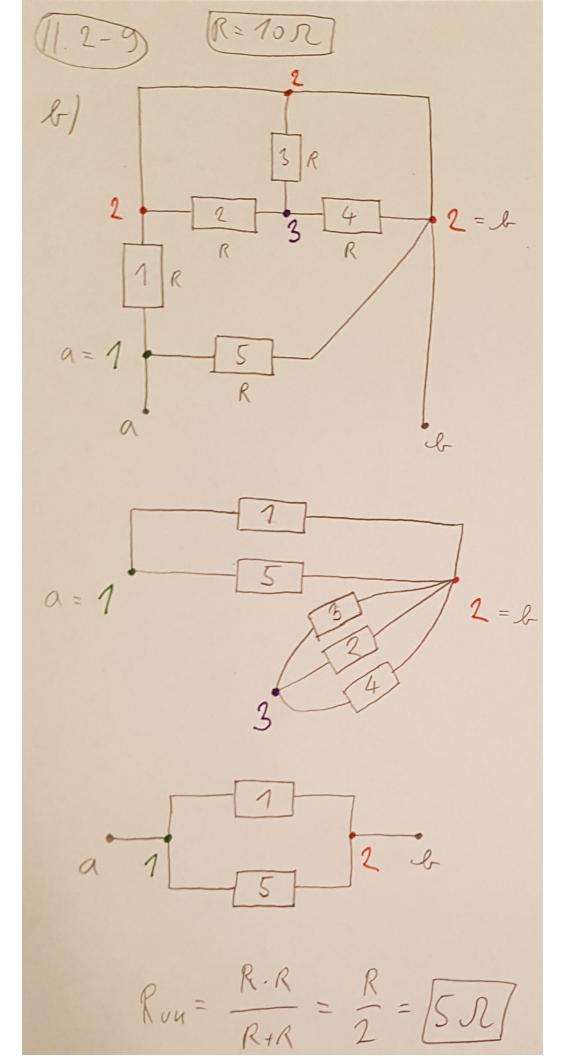
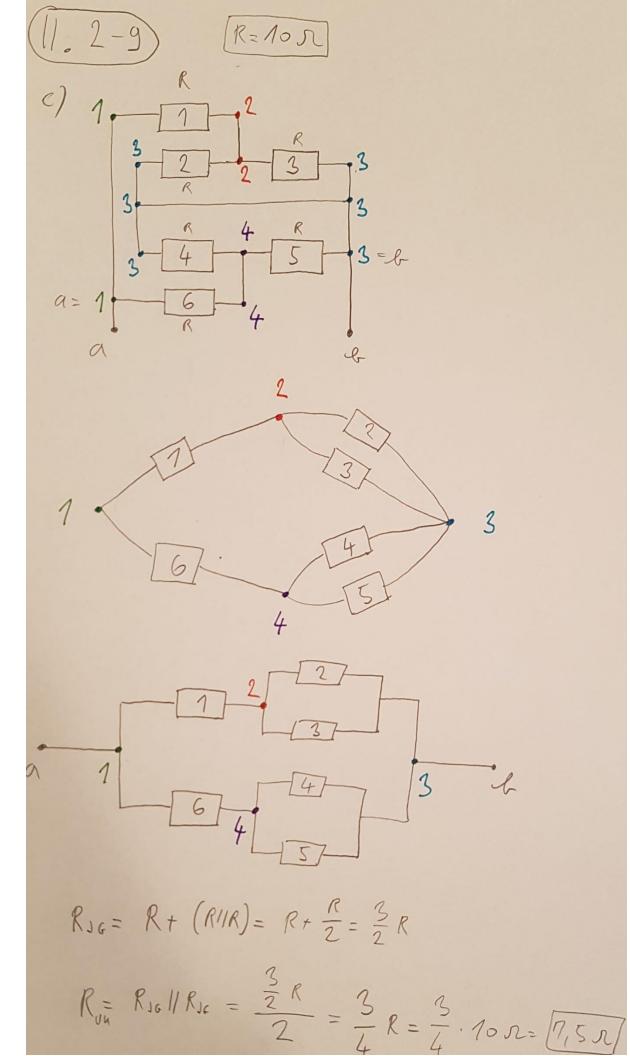
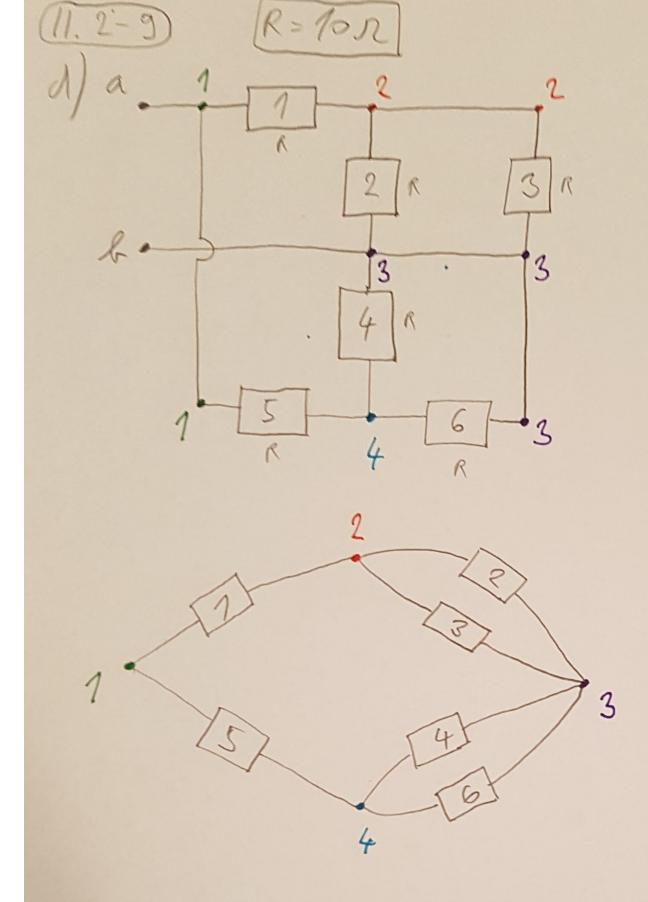
(11.2-5) 
$$R=10\pi$$
 $a=1$ 
 $R=1$ 
 $R=1$ 







15TO UBO U PRETHODNOM PRIMSERU:

[Ruy= 7,5 1]

RACULIALIE S KOMPLEKSMIM BROJEVINA

$$\frac{Q=2+4i}{b=3+10i}$$
ALGEBORSUI

OBCIN HOMPLENSHOR BROJA

$$t_{g} p = \frac{J_{m}}{Re} = \frac{4}{2} = 2 = 9 p = 63,43$$

Pe 
$$a = 255 [63,430]$$
Polari OBLIU
Nomplehsnoa Brown

$$|x| = \sqrt{10^2 + 3^2} = \sqrt{109}$$
  
 $t_g P = \frac{J_m}{Re} = \frac{10}{3} = 7P = 73,30$ 

a = 2+4; = 25 /63,430

$$\frac{a}{L} = \frac{2\sqrt{5} \left[ 63,43^{\circ} - 2\sqrt{5} \right]}{\sqrt{109} \left[ 73,3^{\circ} - 73,3^{\circ} - 73,3^{\circ} \right]} = 0,43 \left[ -9,87^{\circ} \right]$$

12 FORMSE JE SCIME JOSMO:

$$a = 19/(05)^{6} + j/19/5/45^{6}$$
 $a = 2\sqrt{5}\cos(63,439) + j\cdot2\sqrt{5}\sin(63,439)$ 
 $a = 2 + 4$ 

$$M(t) = 100 SIN(Wt + \frac{11}{3})V$$

$$W = 100 \frac{1}{5}$$

$$R = 10N = 100$$

$$L = 10^{-1}H$$

$$C = 2.10^{-4}F$$

$$i_1 i_{R_1} i_{C_1} i_{C_1} i_{L_1} = ?$$

$$\lambda_{c} = \frac{-j}{wc} = \frac{-j}{100.2.10^{-4}} = \frac{-100j}{2} = \frac{50-90^{\circ}}{2}$$

$$\frac{1}{2ux} = \frac{1}{R} + \frac{1}{X_L} + \frac{1}{X_C} = \frac{1}{1000} + \frac{1}{1000} + \frac{1}{5000} = 0,128 - 36,660 \frac{1}{2}$$

$$i(t) = 12,81 SIN (100t + 21,34°)A$$
  
 $i(t) = 12,61 SIN (100t + 0,119TI)A = 12,61 SIN (100t + 0,3A)A$ 

$$i_{R} = \frac{\dot{U}}{R} = \frac{70,91/60^{\circ}}{10/0^{\circ}} = 7,091/60^{\circ} A$$

$$i_{L} = \frac{\dot{O}}{X_{L}} = \frac{40,41/60^{\circ}}{10/90^{\circ}} = \frac{40,41/-30^{\circ}}{10/90^{\circ}}$$

$$i_c = \frac{\dot{U}}{\chi_c} = \frac{70,91/600}{50/-900} = \sqrt{2/1500} A$$

PROVIERA:

(1.3.)

2c= 3 Uc = U=1=U=100V Z= = > Z= 100 = 10 2 是=を十号 U=Uc+ UZ1 ISTOSTRANIENI TROLLUT 3 JEDNAGE STANICE! Uzn=100/200 V U=100/2001 Z1=10(cn(20°)+jvi(30°))=10.(2+12)=553+j5-52