СХЕМП.

1) Метод ур-ие Кирхгофа

$R_1 = 760$
$R_2 = 910$
$R_3 = 970$
$R_4 = 590$

$R_5 = 250$
$R_6 = 560$
$R_7 = 450$
$R_8 = 230$

$E_1 = 300$?
$E_3 = 200$ B

$J_{o2} = $ ...
$J_{o3} = 4$ A
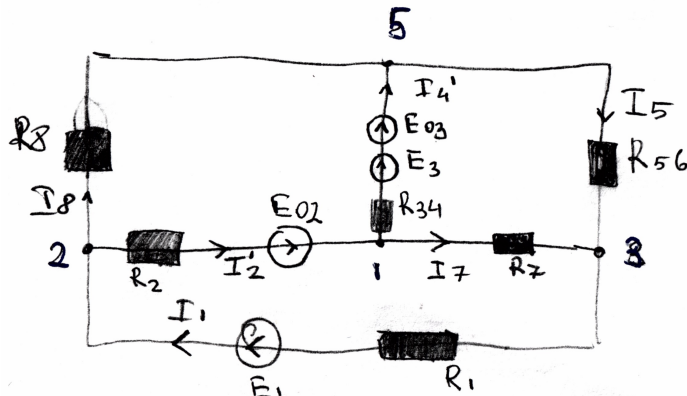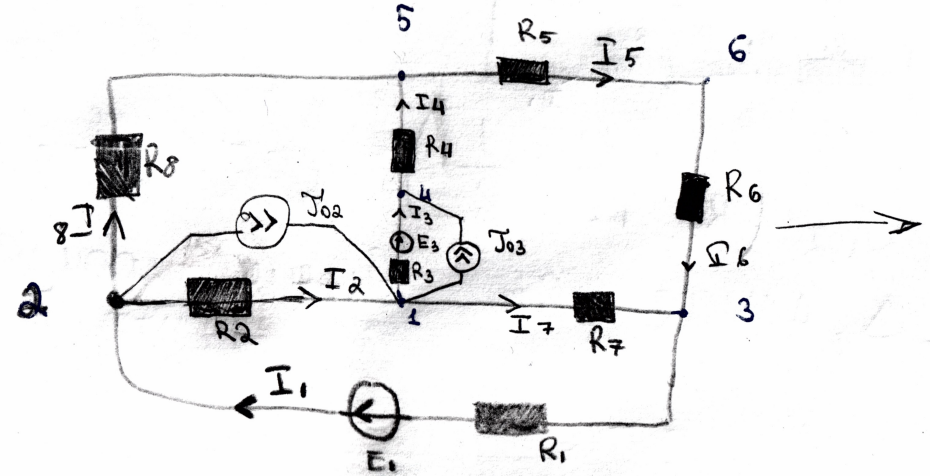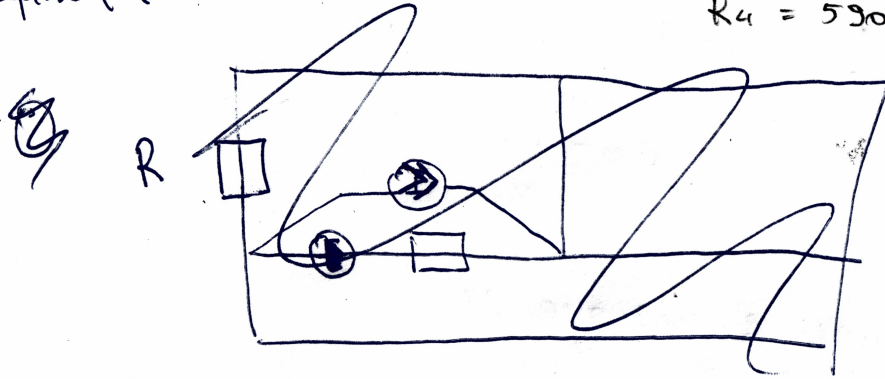
$R_{34} = R_3 + R_4 = 1560$

$R_{56} = R_5 + R_6 = 810$

$E_{o2} = J_{o2} \cdot R_2 = 6 \cdot 910 = 5460$

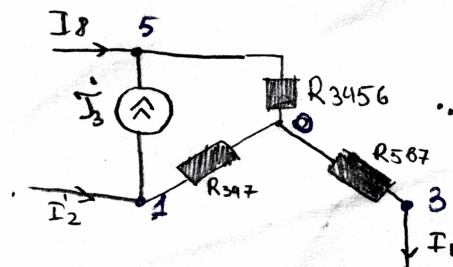$E_{o3} = J_{o3} \cdot R_3 = 4 \cdot 970 = 3880$

$E_3 = E_3 + E_{o3} = 4080$

Пассивн треуг в звезду:

$R_{437} = \dfrac{R_{43} \cdot R_7}{R_{43} + R_7 + R_{56}} = 248,936$ Ом

$R_{3456} = \dfrac{R_{34} \cdot R_{56}}{R_{43} + R_7 + R_{56}} = 448,085$ Ом

$R_{567} = \dfrac{R_{56} \cdot R_7}{R_{43} + R_7 + R_{56}} = 129,255$ Ом

$\bullet\ E_{437} = J_3' \cdot R_{347}$

$\bullet\bullet\ E_{3456} = J_3' \cdot R_{3456}$

$\bullet = 650,968$

$\bullet\bullet = 1171,742$

Пассивн треуг 5-3-1:

$J_3' = \dfrac{E_3}{R_{34}} = \dfrac{4080}{1560} = 2,615$ A
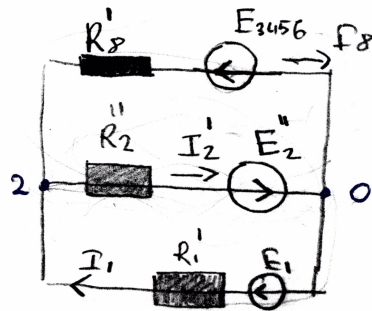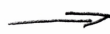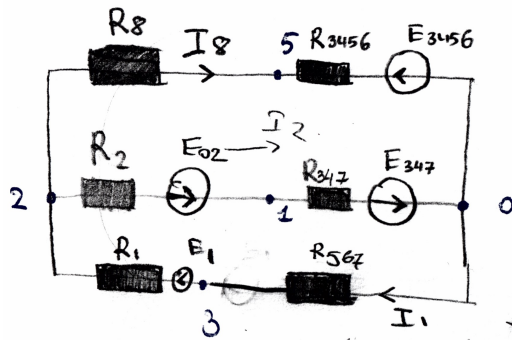
$$R_8' = R_8 + R_{3456} = 678,085$$

$$R_2'' = R_2 + R_{347} = 1158,936$$

$$E_2'' = E_{02} + E_{347} = 6110,968$$

$$R_1' = R_1 + R_{567} = 889,255$$

$$U_{02} \cdot \left(\frac{1}{R_8'} + \frac{1}{R_2''} + \frac{1}{R_1'} \right) = \frac{E_2''}{R_2''} - \frac{E_{3456}}{R_8'} - \frac{E_1}{R_1'}$$

△ Альше все выч-ие производились в маткаде ☺