Векторная дианрамма для токов:

$$\dot{I}\_{вх}=\frac{\dot{U}\_{вх}}{Z\_{вх}}=-0.0006+0.0155j;$$

$$\dot{I}\_{2}=\frac{\dot{U}\_{R\_{2}}}{R\_{2}}=\frac{0.18+0.35j}{100}=0.0018+0.0035j;$$

$$\dot{I}\_{1}=\frac{\dot{U}\_{R\_{1}-Z\_{C}}}{R\_{1}+Z\_{C}}=\frac{0.18+0.35j}{25-20j}=-0.0024+0.012j;$$

Векторная дианрамма для напряжений:

$\dot{U}\_{вх}=5j$;

$$\dot{U}\_{вых}=\dot{I}\_{вх}\*R\_{3}=-0.18+4.65j;$$

$$\dot{U}\_{R\_{1}}=\dot{I}\_{1}\*R\_{1}=-0.06+0.3j;$$

$$\dot{U}\_{R\_{2}}=0.18+0.35j;$$

$$\dot{U}\_{C}=Z\_{C}\*\dot{I}\_{1}=0.24+0.048j;$$