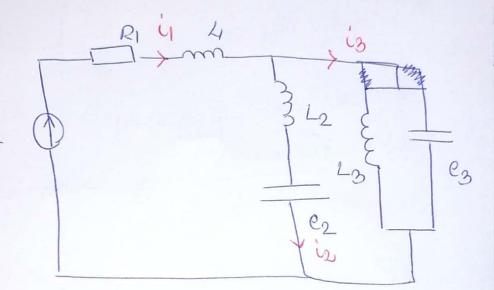
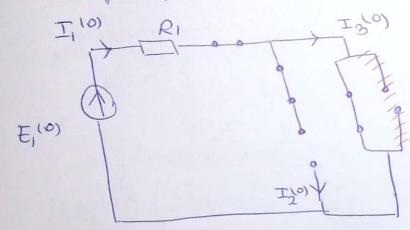
$$R_{1} = 12 \Omega$$
 $WL_{1} = 4 \Omega$
 $WL_{2} = 4 \Omega$
 $WL_{3} = 8 \Omega$
 $WL_{3} = 8 \Omega$





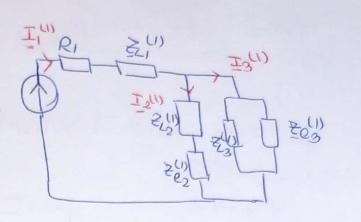
becerted avern un sourt evicuet

P= Enco, Inco)

Anomoniea de ordin 1-> onmoniea fundamentala

$$=24(1)$$
 = $\frac{24\sqrt{2}}{2}$ $=\frac{24(200)}{2}$ $+\frac{1}{2}$ $=\frac{24(10)}{2}$

$$\frac{Z_{L1}}{Z_{L2}} = \frac{Z_{L2}}{W_{L3}} = \frac{1}{3} \frac{1}$$



$$\frac{23^{(1)}}{23^{(1)}} = \frac{213^{(1)}}{20^{(1)}} + \frac{262^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = 0$$

$$\frac{23^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = 0$$

$$\frac{23^{(1)}}{20^{(1)}} = \frac{213^{(1)}}{20^{(1)}} = 0$$

$$\frac{I(u)}{P(1+\frac{1}{2}u)} = \frac{E(u)}{P(1+\frac{1}{2}u)} = \frac{241}{12+41-41} = 21 \text{ EAT}$$

$$\frac{1}{1}(u)(+) = \frac{1}{12}(u)(+) = 2\sqrt{2} \text{ sim}(u)(+) + \frac{11}{2}$$

$$\frac{1}{1}(u)(+) = \frac{1}{12}(u)(+) = 2\sqrt{2} \text{ sim}(u)(+) + \frac{11}{2}$$
Re

La armonica a doua:

$$2^{(2)} = 4\sqrt{2}(2 \text{ mt})$$

$$\frac{E(2)}{E(2)} = \frac{E(2)}{2} = 2j \text{ mL}_1 = 8j$$

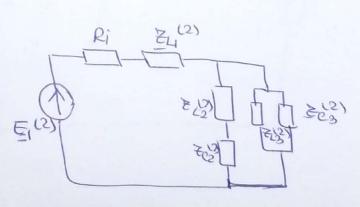
$$\frac{E(2)}{E(3)} = 2j \text{ mL}_3 = 12j$$

$$\frac{E(2)}{2} = \frac{1}{2} \text{ mC}_2 = -4j$$

$$\frac{E(2)}{2} = \frac{1}{2} \text{ mC}_3 = -8j$$

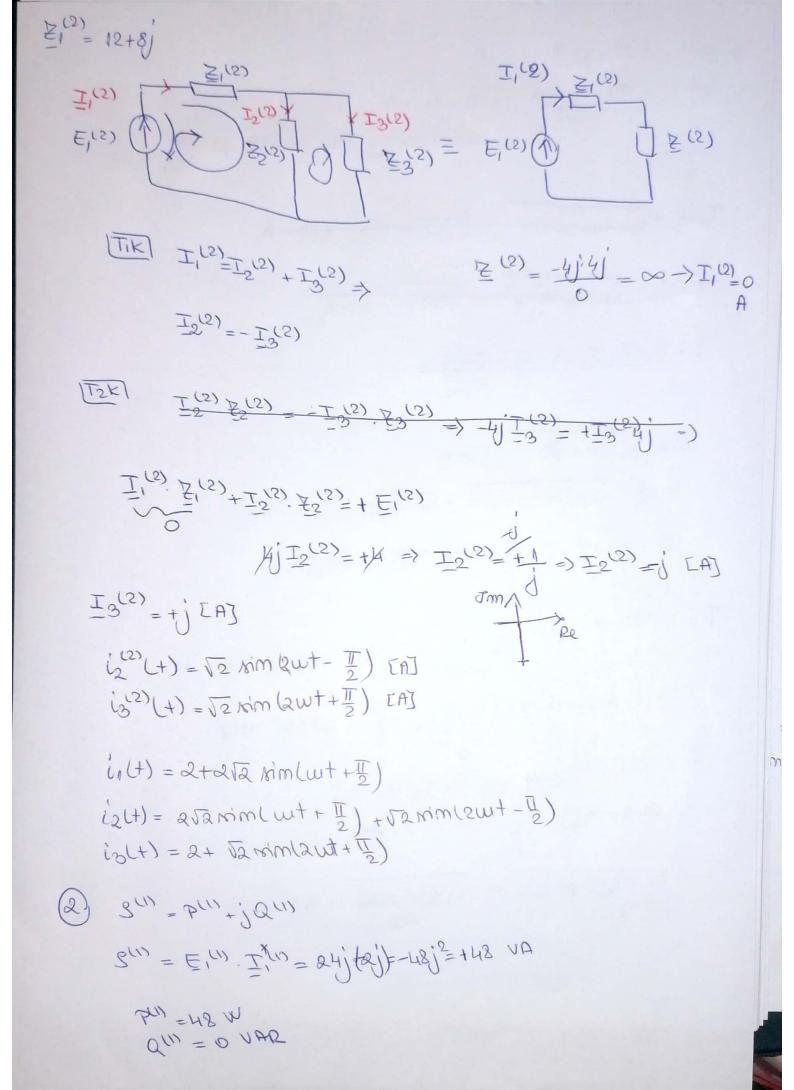
$$\frac{E(2)}{2} = 4 \text{ (coso fining)}$$

$$= 4 \text{ EV}$$



$$\frac{Z^{(2)}}{Z^{(2)}} = \frac{Z^{(2)}}{Z^{(2)}} + \frac{Z^{(2)}}{Z^{(2)}} = \frac{8j - 4j = 4j}{2j - 4j} = \frac{12j \cdot (-8)j}{3j \cdot 3}$$

$$= -4j$$



$$g(2) = p(2) + jQ(2)$$

 $g(2) = E(2) \cdot E(2) * = 4.0 = 0 \text{ VA}$
Pe ar moniea? I mu evvem putere debrita

$$P = E^{(0)} \cdot \underline{T}^{(0)} + E^{(1)} \cdot \underline{T}^{(1)} + E^{(2)} \cdot \underline{T}^{(2)} \cos \varphi(2)$$

$$P = 24 \cdot 2 + 24 \cdot 2 \cos \left(\underline{T} - \underline{T} \right) + 0 = 48 + 48 = 96 \text{ W}$$

$$Q = E^{(1)} \cdot \underline{T}^{(1)} \sin \varphi + E^{(2)} \cdot \underline{T}^{(2)} \sin \varphi$$

$$Q = 24 \cdot 2 \sin \left(\underline{T} - \underline{T} \right) + 0 = 0, \text{ WAR}$$

$$D = \sqrt{2^2 \cdot 2^2 \cdot 0^2}$$