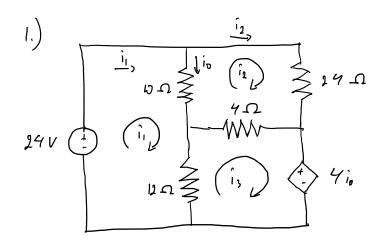
M. Hasyim Abdillah P. 1101191095/TT-43-11



*Loop is:

$$24^{i_1} + 4(i_2 - i_3) + 10(i_2 - i_1) = 0$$

 $-10^{i_1} + 30^{i_2} - 4^{i_3} = 0$
 $-5^{i_1} + 10^{i_2} - 2^{i_3} = 0$

$$\begin{aligned} * & -5i_1 + 10i_2 - 2i_3 = 0 \\ & -5i_1 + 10i_2 - (i_1 + i_2) = 0 \\ & -6i_1 + 10i_2 = 0 \\ & -6i_1 = 3i_2 \end{aligned}$$

$$\frac{1}{2} = \frac{1}{1} + \frac{1}{12}$$
 $\frac{1}{3} = \frac{1}{2} = \frac{1}{12}$

$$\hat{i}_{0} = \hat{i}_{1} - \hat{i}_{2}$$

$$\hat{i}_{0} = 2,25 - 0,75$$

$$\hat{i}_{0} = 1,50 \text{ A}$$

*
$$\lambda_{00}p^{-\hat{1}_1}$$
:

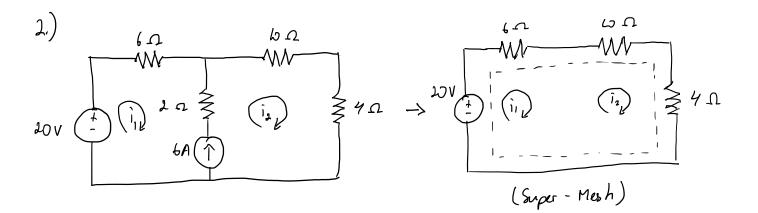
 $-24 + \omega(\hat{1}_1 - \hat{1}_2) + 12(\hat{1}_1 - \hat{1}_3) = 0$
 $22\hat{1}_1 - \omega\hat{1}_2 - 12\hat{1}_3 = 24$
 $11\hat{1}_1 - 5\hat{1}_2 - 6\hat{1}_3 - 12$

* $\hat{1}_0 = \hat{1}_1 - \hat{1}_2$

*
$$\downarrow 000$$
 is:
 $12(\hat{i}_2 - \hat{i}_1) + 4(\hat{i}_3 - \hat{i}_2) + 4(\hat{i}_1 - \hat{i}_2) = 0$
 $3(\hat{i}_3 - \hat{i}_1) + (\hat{i}_3 - \hat{i}_2) + (\hat{i}_1 - \hat{i}_2) = 0$
 $-2\hat{i}_1 - 2\hat{i}_2 + 4\hat{i}_3 = 0$
 $-\hat{i}_1 - \hat{i}_2 + 2\hat{i}_3 = 0$
 $2\hat{i}_3 = \hat{i}_1 + \hat{i}_2$

*
$$11i_1 - 5i_2 - 6i_3 - 12$$

 $11(3i_2) - 5i_2 - 6(2i_2) = 12$
 $16i_2 = 12$
 $i_2 = 0,75$ A
 $i_1 = 2,25$ A
 $i_2 = 1,50$ A



$$\frac{1}{2} = \hat{i}_1 = 6 A$$

$$\hat{i}_2 = -3, 2 + 6$$