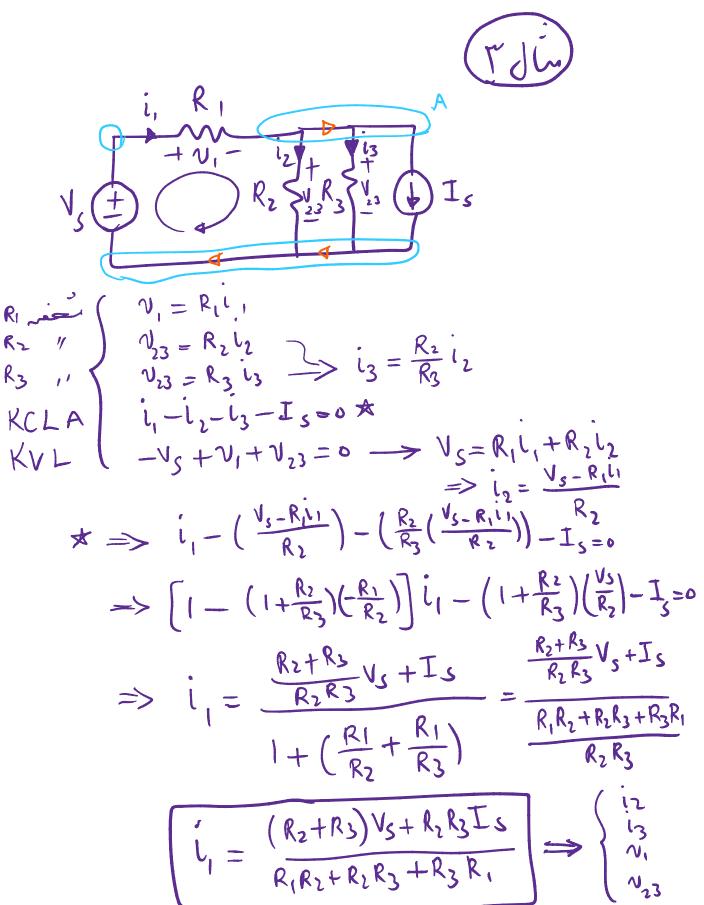
(TJin)

$$I_{s} = \frac{1}{|I_{s}|} = \frac{1}$$





$$V_{s_{1}} = R_{1}i_{1}$$

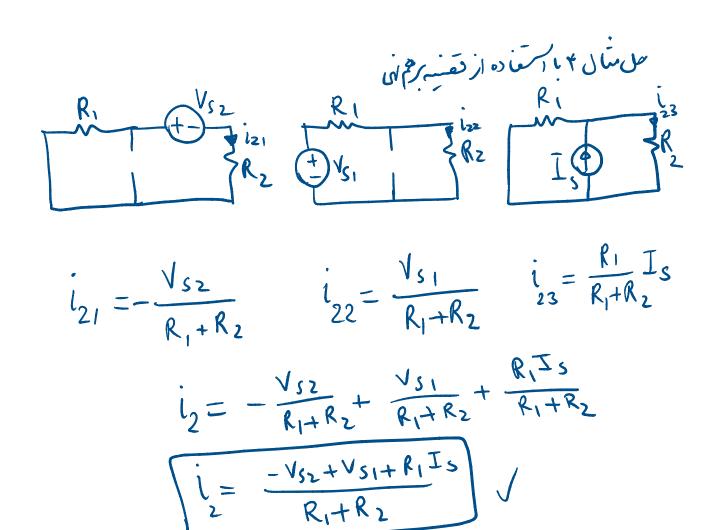
$$V_{z} = R_{2}i_{2}$$

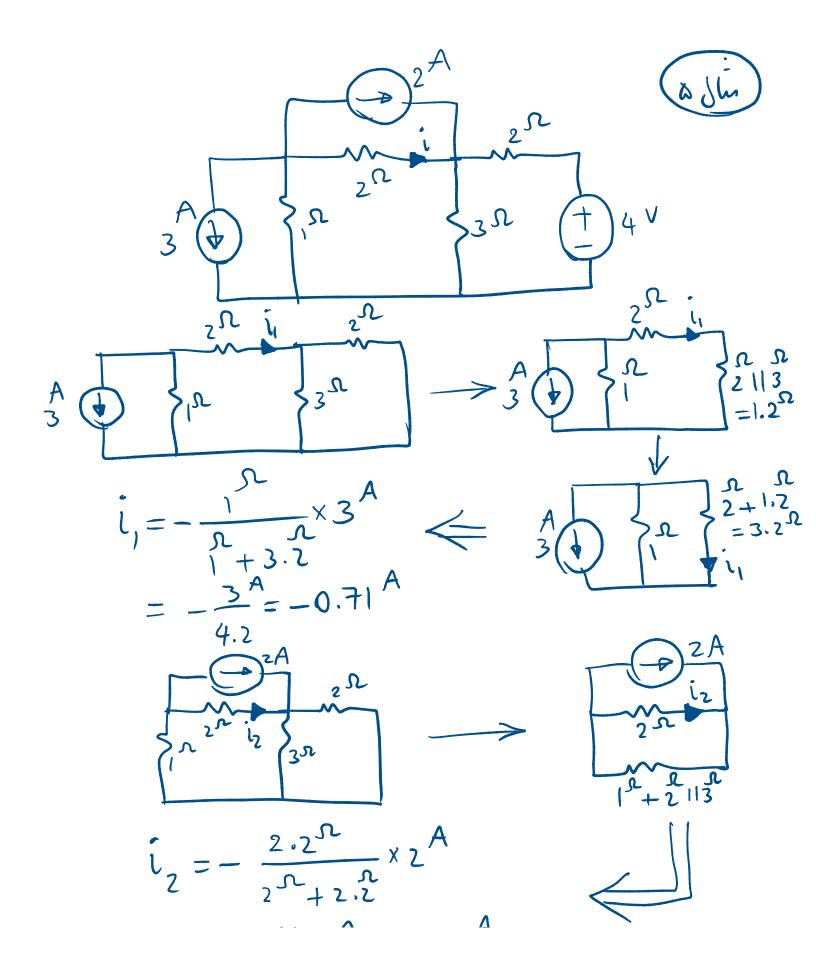
$$V_{$$

$$\begin{array}{l}
* \implies -V_{S_{1}} + R_{1}i_{1} + V_{S2} + R_{2}i_{2} = 0 \\
* \times * \implies -V_{S_{1}} + R_{1}(i_{2}-I_{S}) + V_{S2} + R_{2}i_{2} = 0 \\
\implies i_{2} = \frac{V_{S_{1}} - V_{S2} + R_{1}I_{S}}{R_{1} + R_{2}} \implies \begin{cases} i_{1} \\ V_{2} \\ \end{cases}$$

قصب مرهمای (المحالی) در حرمداره علی باسع به کامی سابع موجود برای فرع بالج به کامی سابع به سابع به سابع به کامی سابع موجود برای فرع بالج $V_{s} \stackrel{i_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3}$ $V_{s} \stackrel{i_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3}$ $V_{s} \stackrel{i_{1}}{\leftarrow} R_{1} \stackrel{k_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3}$ $V_{s} \stackrel{i_{1}}{\leftarrow} R_{1} \stackrel{k_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{2} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{1}}{\leftarrow} R_{3} \stackrel{k_{2}}{\leftarrow} R_{3} \stackrel{k_{3}}{\leftarrow} R_{3$

منع جرون منزمان العمال لوماه من مرامان العمال لوماه من مرامان العمال لوماه من مرامان العمال لوماه من مرامان العمال لوماه من من مرامان العمال لوماه من مناربان العمال لومان ال





$$\frac{2^{3}+2.2}{4.4^{4}-1.05^{4}}$$
= $-\frac{4.4^{4}-1.05^{4}}{4.2}$

$$\begin{cases} 1 & \frac{2}{3} & \frac{4}{4} \\ -\frac{4}{3} & \frac{4}{3} & \frac{4}{3} \\ -\frac{4}{3 \cdot 5} & \frac{4}{3 \cdot 5} & \frac{4}{3 \cdot 5} & \frac{4}{3 \cdot 5} \\ -\frac{4}{3 \cdot 5} & \frac{4}{3 \cdot 5}$$

$$i_3 = \frac{3^{\Omega}}{3^2 + \binom{3}{1+2}} i' = 0.5i' = -0.57^{A}$$

$$i = i_1 + i_2 + i_3 = -0.71 - 1.05 - 0.57 = -2.33$$

$$V_{S} = \frac{R_{2} || (R_{3} + R_{4})}{R_{1} + R_{2} || (R_{3} + R_{4})} V_{S}$$

$$V_{A} = \frac{R_{4} || (R_{3} + R_{4})}{R_{1} + R_{2} || (R_{3} + R_{4})} V_{S}$$

$$\frac{1}{\sqrt{R_1}} = 0$$

$$\frac{\sqrt{R_1}}{\sqrt{R_2}} = 0$$

=>
$$R_{eq} = \frac{v}{i} = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2}} = \frac{R_1 R_2}{R_1 + R_2}$$

 $\frac{1}{R_{eq}} = G_{eq} = G_1 + G_2$

$$+ \frac{i}{3R_1} - v + R_1 i + R_2 i = 6$$

+
$$\begin{cases} R_1 & -\nu + R_1 i + R_2 i = 6 \end{cases}$$

$$V \begin{cases} R_2 \Rightarrow R_{eq} = \frac{\nu}{i} = R_1 + R_2 \end{cases}$$

Is, A R3 in
$$R_2$$
 in R_3 in R_2 in R_3 in R_2 in R_3 in R_3 in R_4 in R_4 in R_5 in

$$\Rightarrow i = \frac{V_{A} - V_{B}}{R_{3}}$$

$$R_{1} = 1, R_{2} = 2, R_{3} = 3$$

$$I_{S1} = 1^{A}, I_{S2} = 2^{A}$$

$$\begin{cases} 4_{3}V_{A} - \frac{1}{3}V_{B} = 1 \\ \frac{1}{3}V_{A} - \frac{5}{6}V_{B} = 2 \end{cases}$$

$$\begin{cases} V_{A} = \frac{1}{3}V_{A} = \frac{1}{3}V_{A}$$