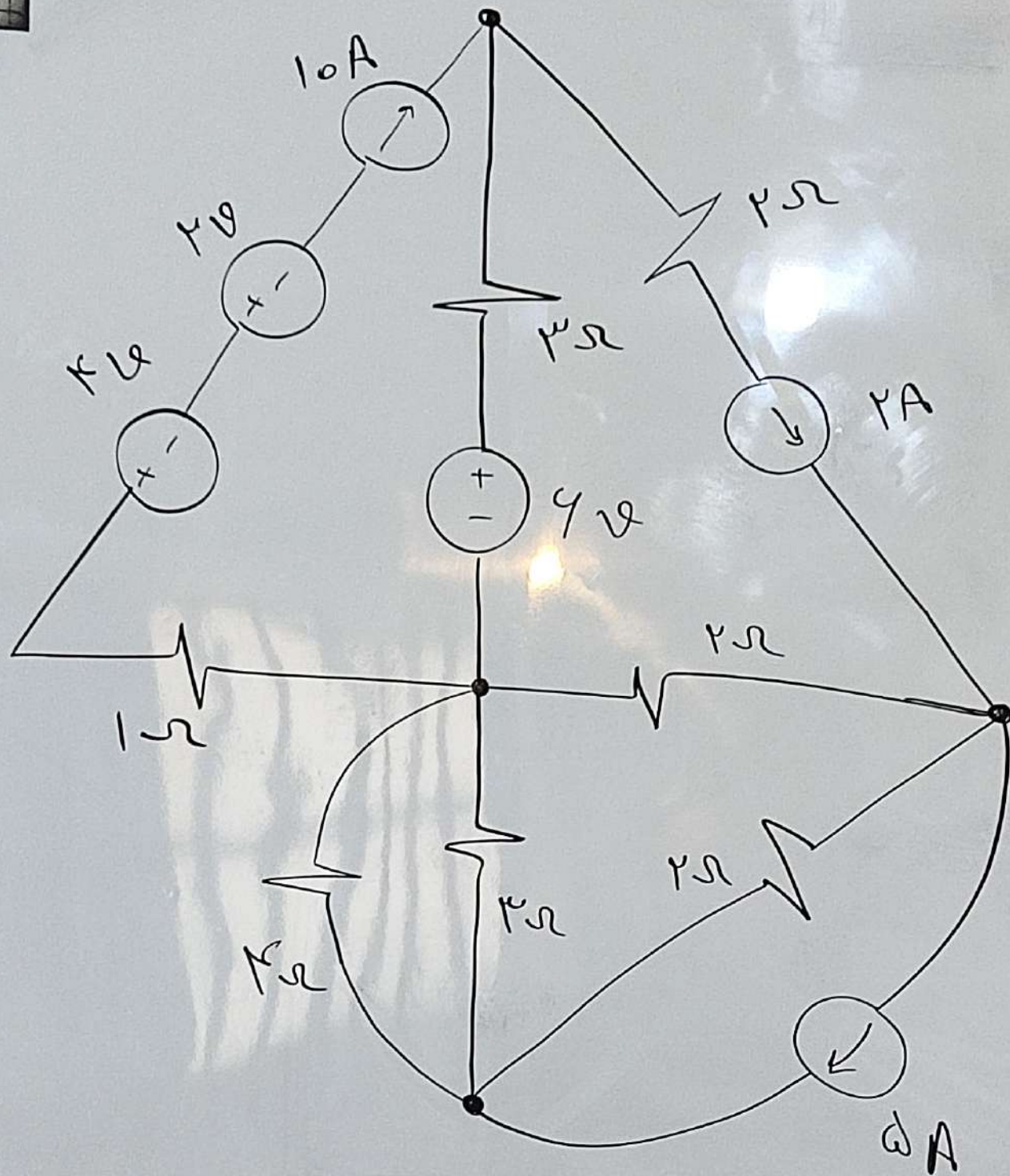
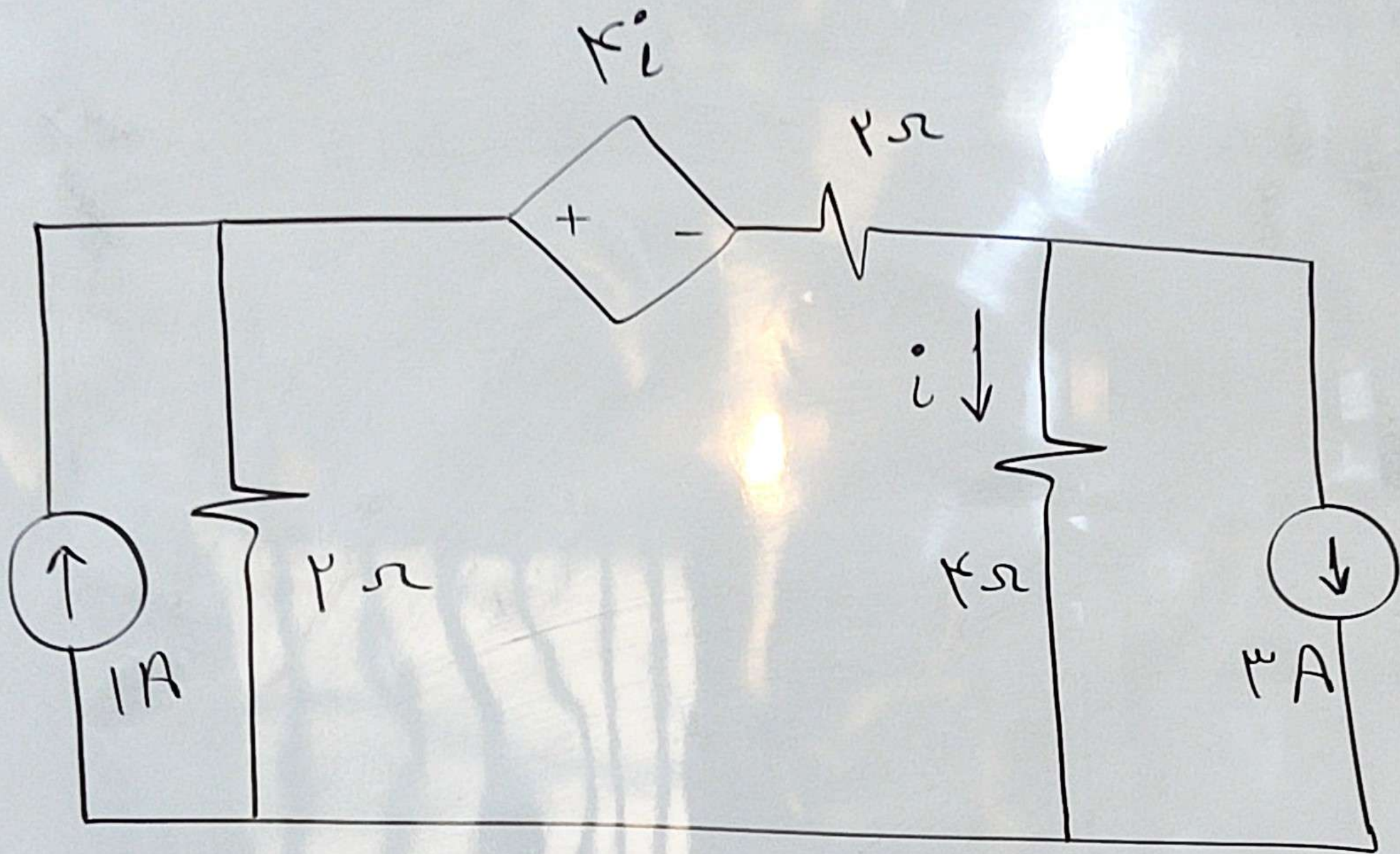
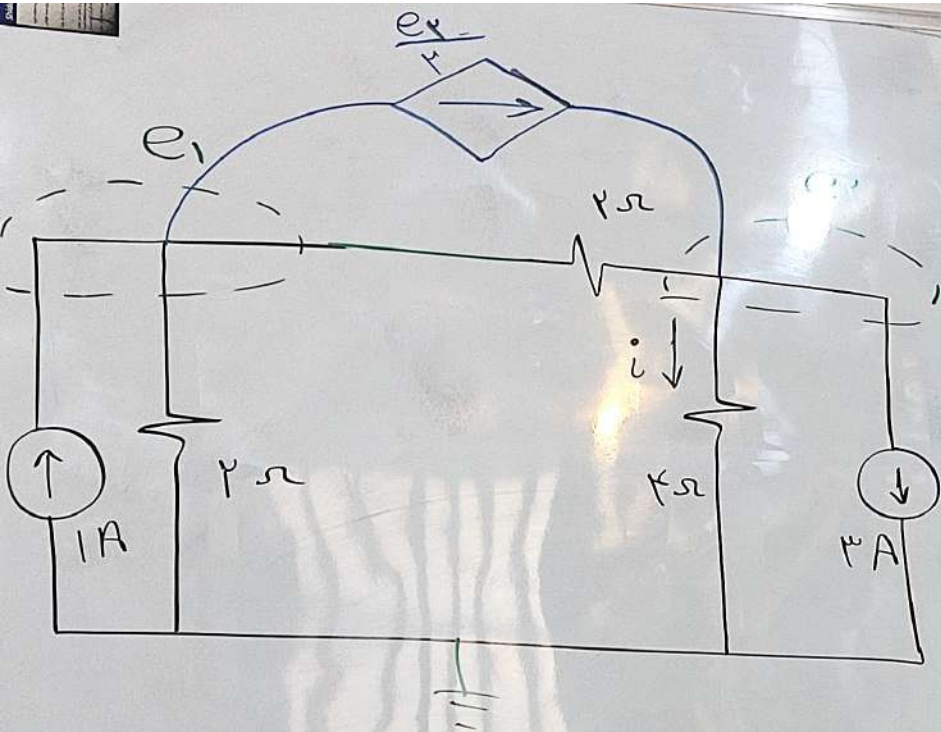








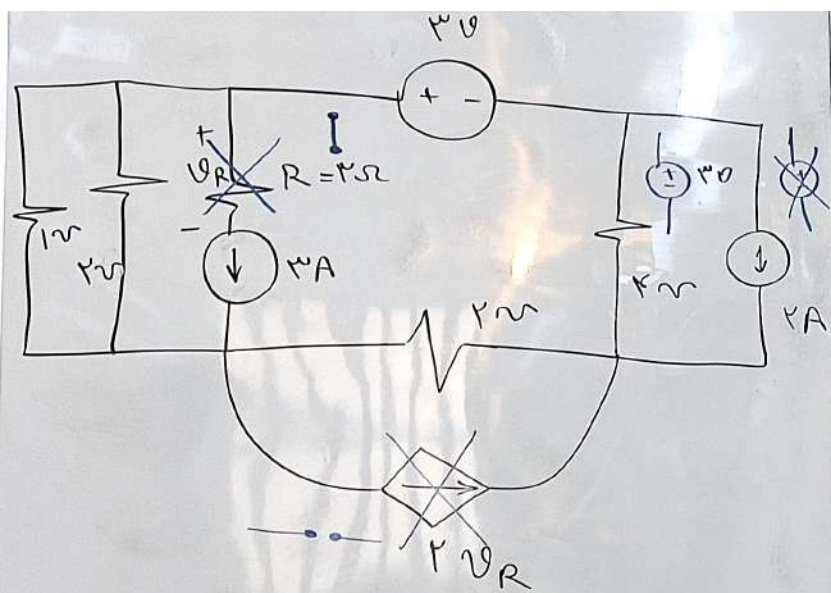
$$y \cdot e = I_s$$

مقدار منبع جریان $\Rightarrow \frac{r i}{r} = \frac{r \left(\frac{e_r}{r} \right)}{r} = \frac{e_r}{r}$

$$i = \frac{e_r - 0}{r}$$

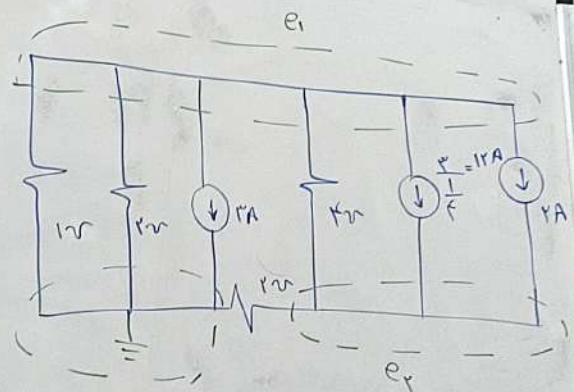
$$\begin{bmatrix} y_{11} \\ \frac{1}{r} + \frac{1}{r} \\ y_{12} \\ -\frac{1}{r} \end{bmatrix} \begin{bmatrix} e_1 \\ \phi_r \end{bmatrix} = \begin{bmatrix} 1 - \frac{e_r}{r} \\ -\frac{1}{r} + \frac{e_r}{r} \end{bmatrix}$$

y_{11}
 y_{12}



$$y \cdot e = I_s$$

$$\begin{bmatrix} y_{11} \\ 1 + 2 + 2 \\ y_{11} \\ -2 \end{bmatrix} \begin{bmatrix} y_{12} \\ -2 \\ y_{22} \\ 2 + 2 \end{bmatrix} \begin{bmatrix} e_1 \\ e_2 \end{bmatrix} = \begin{bmatrix} -3 - 12 - 2 \\ 12 + 2 \end{bmatrix}$$

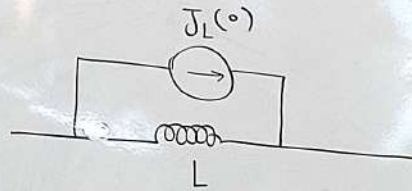


$$I = \frac{V}{R} = \frac{2}{1+2} = \frac{2}{3} = 12$$

$$\text{ادمیانس معادل سلف} \triangleq \frac{1}{LD}$$

$$\text{ادمیانس معادل خازن} \triangleq CD$$

$$I = \text{ادمیانس}$$



$$V_L(t) = L \frac{dJ_L(t)}{dt}$$

$$J_L(t) = J_L(0) + \frac{1}{L} \int V_L(t) dt$$

$$J_L = \left(\frac{1}{L} \cdot \frac{1}{0} \right) V_L$$

$$\text{معادلات انتگرال دیفرانسیل} \quad C$$

$$V_C(t) = V_C(0) + \frac{1}{C} \int J_C(t) dt$$

$$J_C(t) = C \frac{dV_C(t)}{dt}$$

$$J_C = (CD) V_C$$

