ثىرىن 10 سر*لل دا*

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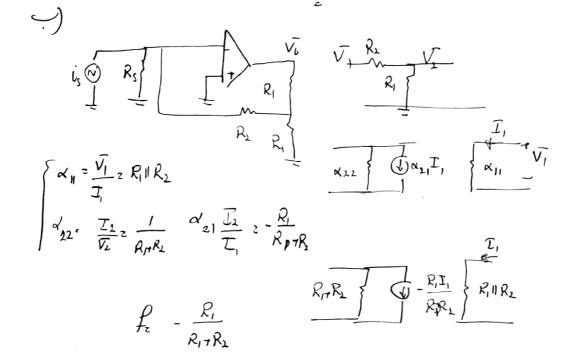
$$\frac{d_{21}}{d_{11}V_{1}} = \begin{cases} \alpha_{11} & V_{1} \\ \vdots & \ddots & \ddots \end{cases}$$

$$\frac{R_{1} \parallel R_{1}}{R_{1} \uparrow R_{2}} = \begin{cases}
R_{1} \uparrow R_{2} \\
R_{1} \uparrow R_{2}
\end{cases}$$

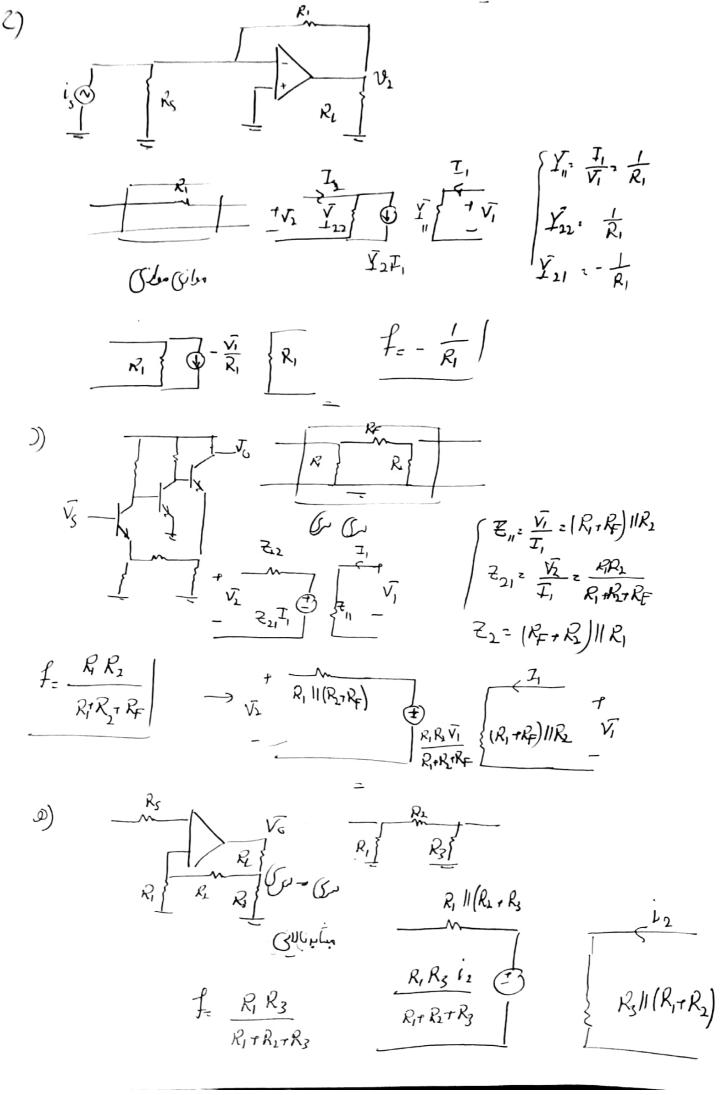
$$\frac{R_{1} \downarrow \uparrow R_{2}}{R_{1} \uparrow R_{2}} = \begin{cases}
R_{1} \uparrow R_{2}
\end{cases}$$

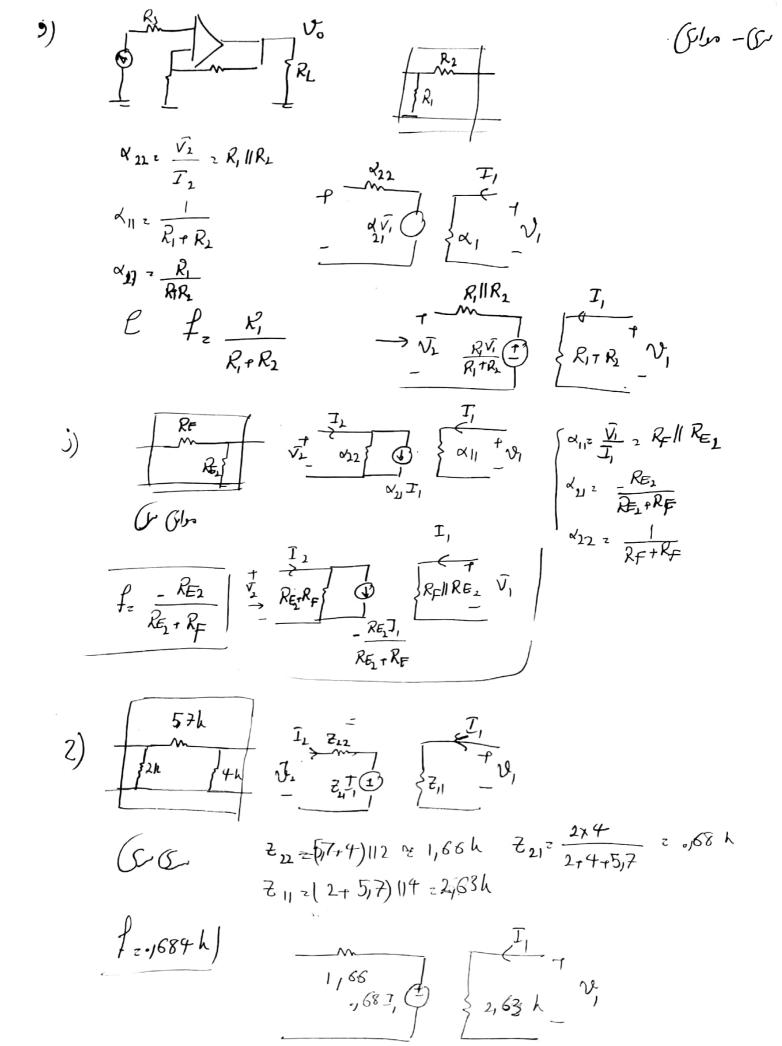
$$R_{1} = \frac{T_{1}}{V_{1}} = \frac{1}{R_{1} + R_{2}}$$

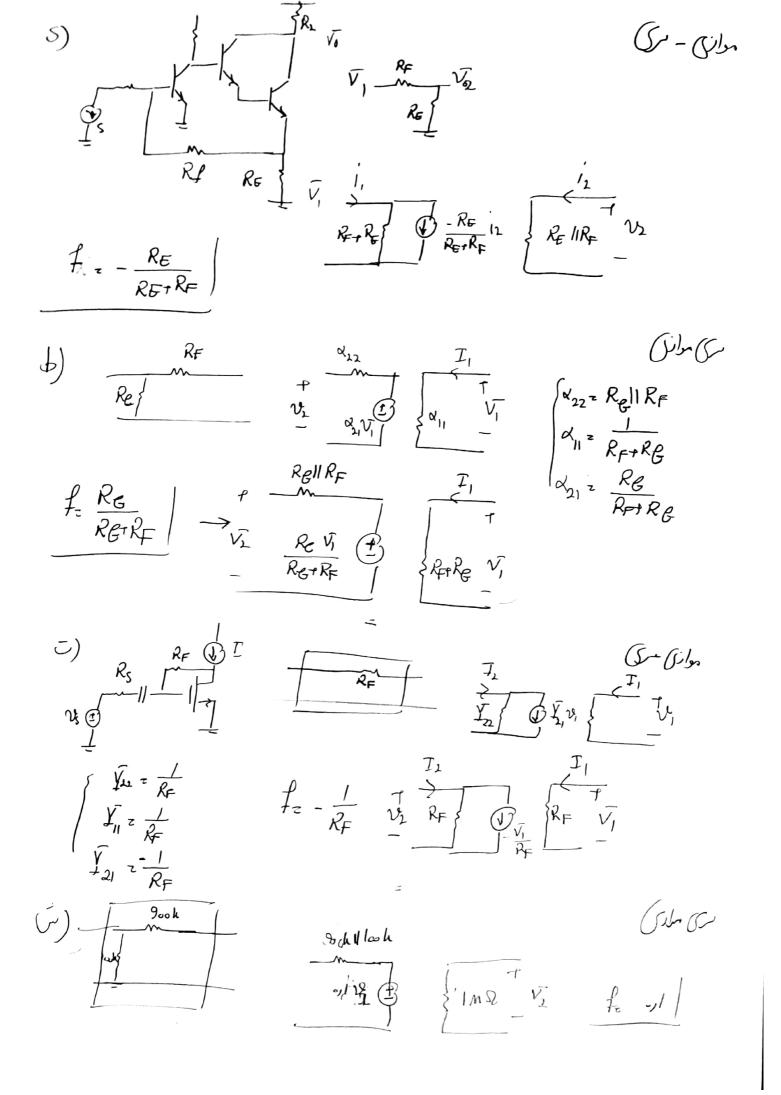
$$\begin{cases} \alpha_{11}^{2} = \frac{T_{1}}{V_{1}} = \frac{1}{R_{1} + R_{2}} \\ \alpha_{22}^{2} = \frac{\sqrt{2}}{T_{2}} \sqrt{V_{1}} = \frac{R_{1}}{R_{1} + R_{2}} \\ \alpha_{21}^{2} = \frac{\sqrt{2}}{V_{1}} \sqrt{V_{1}} = \frac{R_{1}}{R_{1} + R_{2}} \\ f = \frac{R_{1}}{R_{1} + R_{2}} \int$$

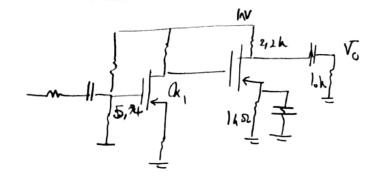


مالیک سک









$$\frac{J_{D_{1}} = .,25 \times (5,74 - .5I_{D} - 2)^{2}}{3,74I_{D} + 3,74I_{D}} \rightarrow (4I_{D_{1}})^{2} \cdot (3,74I_{D} - 3,74I_{D} + 3,74I_{D})^{2}}$$

$$\rightarrow J_{D_{1}} = 1,93 \text{ mA} \quad \sqrt{G_{5}} = 4,7-75\%$$

$$\frac{g_{m_{1}} = \frac{2 \times 5.15}{8.51 - 2.0}}{8.51 - 2.0} = \frac{1.78 \, \text{mv}}{g_{m_{1}} = 1.4 \, \text{mv}}$$

$$\frac{g_{m_{1}} = 1.4 \, \text{mv}}{g_{m_{1}} = 1.4 \, \text{mv}}$$

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$$\frac{g_{m_{1}} = 1.4 \, \text{mv}}{g_{m_{1}} = 1.$$

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