$$R_{1} = 20 \quad i_{0} = 1A$$

$$R_{2} = 40$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$R_{4} = 30$$

$$R_{4} = 30$$

$$R_{6} = 1.5 \text{ S}$$

$$R_{6} = ?$$

$$R_{7} = 1.5 \text{ S}$$

$$R_{1} = 1.5 \text{ S}$$

$$R_{2} = 40$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$R_{4} = 30$$

$$R_{5} = 1.5 \text{ S}$$

$$R_{6} = ?$$

$$R_{1} = 1.5 \text{ S}$$

$$R_{2} = 40$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$R_{1} = 30$$

$$R_{2} = 40$$

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$$R_{4} = 30$$

$$R_{1} = 30$$

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$$R_{1} = 30$$

$$R_{2} = 40$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$R_{1} = 30$$

$$R_{2} = 1.5 \text{ S}$$

$$R_{2} = 40$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$R_{1} = 30$$

$$R_{2} = 1.5 \text{ S}$$

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$$R_{4} = 1.5 \text{ S}$$

$$R_{5} = 1.5 \text{ S}$$

$$R_{1} = 1.5 \text{ S}$$

$$R_{2} = 1.5 \text{ S}$$

$$R_{3} = 30$$

$$R_{4} = 30$$

$$\begin{cases} -i_{0}+i_{2}+i_{1}=0 \\ i_{1}=dV_{2} \\ -V_{2}-V_{3}+V_{0}-V_{4}=0 \end{cases} = \begin{cases} 1.5V_{2}+V_{2}G_{2}-1=0 \\ i_{1}=dV_{2} \\ V_{0}=R_{3}i_{0}+R_{4}i_{4}+V_{2} \end{cases}$$

$$V_2(15+0025) = 1 = 0 V_2 = 0.66 V^{V_2}$$

= 0 $l_1 = 15$ 0.66 = 0.98 A l_1

$$= 0.66 + 30 + 30 = 60.66 V$$

$$=0 \quad V_0 = \text{Req} \quad \dot{l}_0 = b \quad \text{Req} = \frac{V_0}{io} = 60.66 \quad \Omega$$