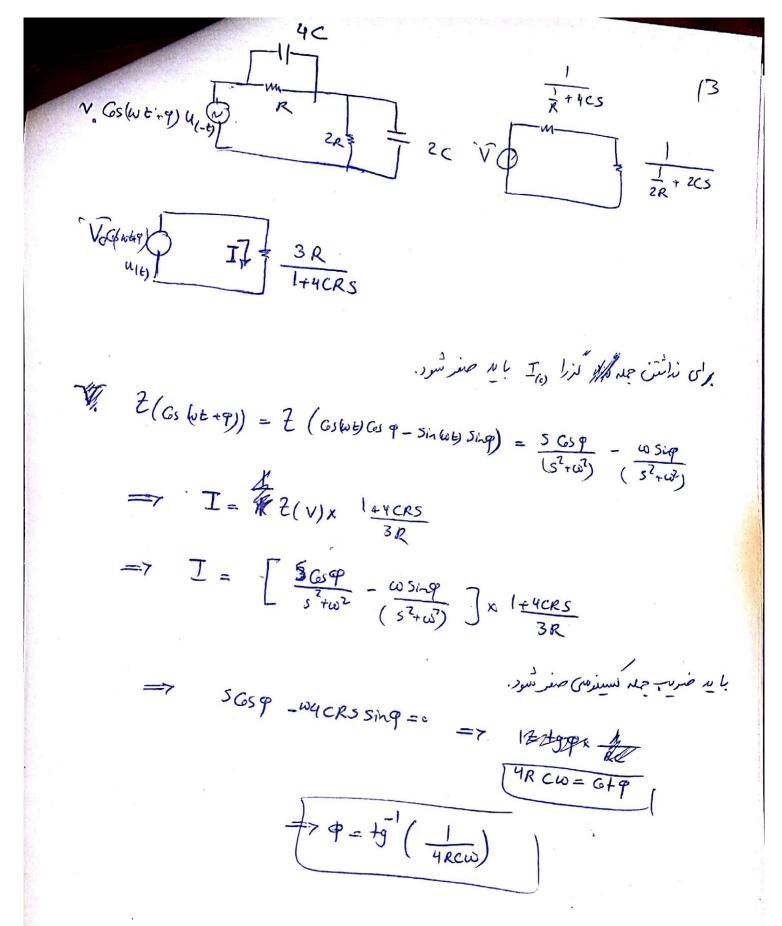


$$V_{in} = \frac{2}{3} \frac{1}{4} R_{x} = \frac{1}{4} R_{$$



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$$\frac{1}{4} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2$$

$$\frac{V_{in} - V}{2 S} + \frac{V_{out} - V}{2} = \frac{V}{\frac{1}{5}} \implies \frac{V_{in}}{2 S} + \frac{V_{out}}{2} = V_{x} \left(S + \frac{1}{2} + \frac{1}{7S}\right)$$

$$\frac{V_{in} - V_{out}}{\frac{1}{5}} + \frac{V - V_{out}}{2} = \frac{V_{out}}{2S} \qquad V_{in} \times S + \frac{V}{2} = V_{out} \times \left(S + \frac{1}{2s} + \frac{1}{2s}\right)$$

$$= 7 \quad V_{in} \times \left[\frac{W}{S} + \frac{1}{2(s + \frac{1}{2s} + \frac{1}{2s})} \times \left[\frac{V_{in}}{2S} + \frac{V_{out}}{2S} + \frac{V_{out}}{2S}\right] = V_{out} \times \left[\left(S + \frac{1}{2} + \frac{1}{2s}\right) - \frac{1}{4\left(S + \frac{1}{2s} + \frac{1}{2s}\right)}\right]$$

$$= 7 \quad V_{out} \times \left[\frac{V_{out}}{V_{in}} + \frac{V_{out}}{V_{in}} + \frac{V_{out}}{V_{in}} + \frac{V_{out}}{2S} + \frac{V_{out}}{2S} + \frac{V_{out}}{2S}\right] = \frac{V_{out}}{V_{out}} \times \left[\frac{(S + \frac{1}{2} + \frac{1}{2s}) - \frac{1}{4\left(S + \frac{1}{2s} + \frac{1}{2s}\right)} - \frac{1}{4\left(S + \frac{1}{2s} + \frac{1}{2s}\right)}\right]$$

$$= 7 \quad V_{out} \times \left[\frac{2}{4S} + \frac{1}{2S} \times \left(2S + \frac{1}{2S} + 2S + 1\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2S + \frac{1}{2S} + \frac{1}{2S}\right) + \frac{3}{2}\right] \times \left[\frac{2}{2S} \times \left(2$$