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Zerki = TwL

$$Z_{1-vn} L_{1-vn} L_{1-v$$

$$\frac{2}{7} = R_{1}$$

$$\frac{2}{2} = R + i\omega L$$

$$\frac{2}{2} = R_{2}$$

$$\frac{1}{2} = \frac{R_{2}}{R_{2}} = \frac{R_{2}}{1 + i\omega C_{2}}$$

$$\frac{2}{2} = \frac{R_{2}}{R_{2}} = \frac{R_{2}}{1 + i\omega C_{2}}$$

$$\frac{2}{2} = \frac{R_{2}}{1 + i\omega C_{2}} = \frac{R_{2}}{1 + i\omega C_{2}}$$

$$R_{1}R_{2} = (R + i\omega L)(\frac{R_{2}}{1 + i\omega c_{2}R_{2}}) = (R + i\omega L)(\frac{R_{2} - iR_{2}^{2}\omega c_{2}}{1 + \omega^{2}c_{2}^{2}R_{2}^{2}}) =$$

$$= \frac{RR_{2} + \omega^{2}c_{2}LR_{2}^{2}}{1 + \omega^{2}c_{2}^{2}R_{2}^{2}} + i\frac{\omega LR_{2} - R_{2}^{2}R\omega c_{2}}{1 + \omega^{2}c_{2}^{2}R_{2}^{2}}$$

$$\frac{\omega L R_{7} - R_{2}^{2} R \omega c_{2}}{1 + \omega^{2} c_{2}^{2} R_{2}^{2}} = O \qquad \frac{R R_{2} + \omega^{2} c_{2} L R_{2}^{2}}{1 + \omega^{2} c_{2}^{2} R_{2}^{2}} = R_{1} R_{2}$$

$$L = R_{2}R_{c_{2}} \qquad RR_{2} + \omega^{2}c_{2}LR_{2}^{2} = R_{1}R_{1} + \omega^{2}c_{2}^{2}R_{1}R_{2}c_{2}^{2}R_{2}^{2}$$

$$RR_{2} + \omega^{2}c_{2}^{2}RR_{2}^{3} = R_{1}R_{1} + \omega^{2}c_{2}^{2}R_{1}R_{2}c_{2}^{2}R_{2}^{2}$$

$$dl_{n} = R_{2}\omega lego \omega, \text{ where } RR_{2}^{3}c_{2}^{2} = c_{2}^{2}R_{1}R_{1}c_{2}^{2}R_{2}^{2}$$

$$RR_{2} = R_{1}R_{1}$$

 $R_{\frac{1}{2}} = \frac{R_{\gamma}R_{2}}{R}$