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$$i_1 = \frac{e_i - e'}{R_1}$$

$$i_2 = C \frac{d(e' - e_o)}{dt}$$

$$i_3 = \frac{e' - e_o}{R_2}$$

$$i_1 = i_2 + i_3$$

$$\frac{e_i - e'}{R_1} = C \frac{d(e' - e_o)}{dt} + \frac{e' - e_o}{R_2}$$

e' abating dengan '0'

$$\frac{e_i - 0}{R_1} = C \frac{d(0 - e_o)}{dt} + \frac{0 - e_o}{R_2}$$

$$\frac{e_i}{R_1} = -C \frac{de_o}{dt} - \frac{e_o}{R_2}$$

$$\mathcal{L}\left(\frac{e_i}{R_1}\right) = \mathcal{L}\left(-C \frac{de_o}{dt} - \frac{e_o}{R_2}\right)$$

$$\frac{E_i(s)}{R_1} = \mathcal{L}\left(-C \frac{de_o}{dt} - \frac{e_o}{R_2}\right)$$

$$\frac{E_i(s)}{R_1} = \frac{-Cs \cdot R_2 + 1}{R_2} \cdot E_o(s)$$

$$\frac{E_o(s)}{E_i(s)} = \frac{-R_2}{R_1 Cs R_2 + 1}$$

