

$$V \times G_3 = + V_0 Y$$

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$$V \times G_4 = - \left( V_0 G_3 + V_0 Y G_2 + V_0 Y^2 \right)$$

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$$G_3$$

$$\frac{V_{6}}{V_{1}} = \frac{-61}{\sqrt{2} + 62} + 63$$

$$\frac{1}{\sqrt{3}} = \frac{-64}{5^2 c^2 + 5 c c^2 + 63}$$
Vi. \frac{5^2 c^2}{63} \frac{63}{63}

$$\frac{V_{o}}{V_{i}} = \frac{-\frac{G_{1}G_{3}}{C^{2}}}{V_{i}}$$

$$\frac{V_{o}}{S^{2} + \frac{G_{2}}{C} \cdot S} + \frac{G_{3}^{2}}{C^{2}}$$

$$\frac{1}{K_{1}K_{3}C^{2}} = \frac{1}{K_{2}C^{2}} \cdot S + \frac{G_{3}^{2}}{C^{2}}$$

$$\frac{1}{K_{3}C^{2}} \cdot \frac{1}{K_{3}C^{2}} \cdot \frac{1}{K_{2}C^{2}} \cdot \frac{1}{K_{2}C^{2}} \cdot \frac{1}{K_{2}C^{2}}$$

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$$\frac$$

$$V_{\lambda} = -V_{\lambda} \frac{r^2 + G_2 \cdot r}{G_1 \cdot r} + G_3^2$$

$$V_{\lambda} = \frac{C}{R_1} \cdot S$$

$$V_{\lambda} = \frac{C}{R_2} \cdot \frac{C^2}{R_2} + \frac{1}{R_3^2}$$

$$T_{\lambda} = \frac{V_{\lambda}}{V_{\lambda}} = \frac{1}{R_1 \cdot C} \cdot S$$

$$S_{\lambda} = \frac{1}{R_2 \cdot C} \cdot S_{\lambda} + \frac{1}{R_3^2} \cdot S_{$$

$$H(S) = \frac{1}{R_1 R_3 c^2} + \frac{1}{R_2 c} \cdot S + \frac{1}{R_3^2 c^2} + \frac$$

 $R_3C$ 

$$H(3) = \frac{1}{8^{2} + \frac{1}{2} \cdot \frac{1}{8} \cdot \frac{1}{8}} = \frac{-\frac{R_{2}}{R_{1}} \cdot \frac{R_{3}}{R_{2}}}{\frac{1}{8^{2} + \frac{1}{2} \cdot \frac{1}{8} \cdot \frac{1}{8}}} = \frac{1}{R_{2}} \cdot \frac{1}{R_{3}} \cdot \frac{1}{R_{4}}$$

$$H(x) = -\frac{R_3}{R_1}$$

$$\int_{\mathbb{R}^2} + \frac{R_3}{R_2} + 1$$

$$\mathcal{R}_{2} = R_{3} \qquad R_{3}' = 1 \qquad R_{1}' = R_{1}$$

$$R_{2}' = R_{2}$$

$$R_{3}$$

RZ

$$H(x) = \frac{1}{R_1'}$$

$$f^2 + \frac{x}{4} + 1$$

$$R_2' + \frac{x}{R_2'} + 1$$

$$C = \frac{Cn}{n_2 \cdot n_2}$$

$$G_{-10} = \frac{1}{6 - 10} \times H_2 \quad G_{MANCIA} = \frac{1}{6}$$

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