$$V_{\bullet} - R_2(i+A) - R_1(i+A-\alpha i) - z\alpha i = 0$$

$$\lambda \left(R_2 + R_1 (1-\alpha) + Z\alpha \right) = V - (R_1 + R_2) A$$

$$\dot{X} = \frac{V}{R_2 + R_2 (2-\alpha) + C\alpha} - \frac{R_1 + R_2}{R_2 + R_2 (2-\alpha) + C\alpha} \cdot A$$

$$R_{2}+R_{1}(1-\alpha)+2\alpha\neq0$$

$$R_{1}$$

$$R_{1}$$

$$R_{2}+R_{2}(1-\alpha)+2\alpha\neq0$$

$$R_{2}$$

$$R_{3}$$

$$R_{4}$$

$$R_{3}$$

$$R_{4}$$

$$R_{3}$$

$$R_{4}$$

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$$R_{4}$$

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$$R_{4}$$

$$R_{4}$$

$$R_{4}$$

$$R_{5}$$

$$R_{5$$

$$\frac{1}{8} \times 3 \qquad \frac{M_2 - M_3}{R_4} = A + M_3$$

$$(\mathcal{U}_1 - \mathcal{U}_2) \left(\frac{1}{\mathbb{R}_2} + \alpha\right) = A \qquad \mathcal{U}_1 - \mathcal{U}_2 = \frac{\mathbb{R}_2 A}{1 + \alpha \mathbb{R}_2}$$

$$*2$$
 $M_2-M_3 + (M_4-M_2)(-\alpha) = \frac{M_4-M_2}{R_2}$

$$\frac{1}{R_2}$$
 $\frac{M_1-M_2}{R_3}$ $\frac{M_1-M_2}{R_3}$ $\frac{1}{R_2}$ $\frac{M_1-M_2}{R_3}$ $\frac{1}{R_2}$ $\frac{1}{R_3}$

$$M_1 = \frac{R_3 M_2}{R_2 + R_3}$$

$$E = \frac{E}{R^{2}}$$

$$P_{s} = \frac{E^{2}}{(R_{s}+R)^{2}} \frac{d^{2}R^{2}}{dR^{3}} = \frac{E^{2}}{(R_{s}+R)^{2}} + \frac{2}{(R_{s}+R)^{3}}$$

$$= \frac{RE^{2}}{(R_{S}+R)^{2}} \frac{d^{2}P_{S}^{2}}{dR^{2}} = \frac{E^{2}}{(R_{S}+R)^{2}} + \frac{E^{2}}{(R_{S}+R)^{3}}$$

 $\frac{E^{2}(R_{S}+R_{S})^{3}}{(R_{S}+R_{S})^{3}}$

1+ Reg #

$$V = \frac{R_1 + R_2}{1 + R_2 g} \lambda$$

$$\left(\frac{R_1 + R_2}{R_5} - 1\right) \frac{1}{R_2} = 9$$