$$i_{0} + \alpha i_{0} + I = \frac{v}{R_{z}}$$

$$v + R_{1}i_{0} = V$$

$$i_{z} = \frac{V - v}{R_{z}}$$

$$\frac{\sqrt{-\nu}}{R_1}\left(1+\alpha\right)+\overline{L}=\frac{\nu}{R_2}$$

$$\frac{V}{R_{l}}\left(|+\alpha\right) + \mathcal{I} = V\left(\frac{1}{R_{z}} + \frac{|+\alpha|}{R_{l}}\right)$$

$$\frac{\sqrt{(1+\alpha)}}{R_1} + I$$

$$\frac{1}{R_2} + \frac{1+\alpha}{R_2}$$

$$\frac{V(1+\alpha)}{R_1} + I$$

$$\frac{1}{R_2} + \frac{1+\alpha}{R_1}$$

$$= V(1+\alpha) + IR_1$$

$$1+ R_1/R_2 + \alpha$$

(2) 
$$\frac{1}{10} + 4 \frac{1}{10} = \frac{v}{R_z} \qquad v + R_1 \frac{1}{10} = V \qquad \frac{1}{10} = \frac{V - v}{R_1}$$

$$\frac{1}{R} = \frac{V - v}{R}$$

$$\frac{\sqrt{-\nu}}{R_1}\left(1+\alpha\right) = \frac{\nu}{R_2}$$

$$V(|+ \alpha) = V\left(\frac{\beta_1}{\beta_2} + |+ \alpha\right)$$

$$\frac{V}{R_{l}}\left(|+\alpha\right) = V\left(\frac{1}{R_{z}} + \frac{|+\alpha|}{R_{l}}\right)$$

$$V = \frac{V(|+\alpha)}{|+R_1/R_2 + \alpha}$$

$$\frac{1}{100} + \frac{1}{100} = \frac{1}$$

$$-\frac{\mathcal{V}}{\mathcal{R}_{i}}\left(1+\alpha\right)+\underline{\mathcal{I}}=\frac{\mathcal{V}}{\mathcal{R}_{2}}\qquad \qquad \underline{\mathcal{I}}_{i}=\mathcal{V}\left(\frac{\mathcal{R}_{i}}{\mathcal{R}_{2}}+1+\alpha\right)$$

$$-V(1+\alpha)+IR_{1}=\frac{VR_{1}}{R_{2}}$$

$$V=\frac{IR_{1}}{1+R_{1}/R_{2}+\alpha}$$

$$\nabla = \frac{IR_{1}}{1 + R_{1}/R_{2} + \alpha}$$

$$\frac{V(1+\alpha)}{1+R_1/R_2+\alpha}$$

$$\frac{V(|+\alpha)}{|+R_1/R_2+\alpha} + \frac{IR_1}{|+R_1/R_2+\alpha} = \frac{V(|+\alpha) + IR_1}{|+R_1/R_2+\alpha}$$

$$\frac{\sqrt{(1+\alpha)} + \pm R_1}{1+R_1/R_2+\alpha}$$

$$(5) \quad I = 0 \quad \Rightarrow \quad \bigvee_{+k} = \frac{\bigvee(|+\alpha|)}{|+R_1/R_2 + \alpha|}$$

$$\sqrt{=0}$$

$$\nabla = 0 \quad \Rightarrow \quad 0 = \sqrt{(1+\alpha) + \frac{1}{2}R_1} \quad = -\frac{\sqrt{(1+\alpha)}}{2}$$

$$T = -\frac{\sqrt{(1+\infty)}}{R}$$

$$\int_{\Gamma} f = - \prod_{k} f = \frac{1 + k^{1/k^{2} + \infty}}{k!}$$