

$$V_{o}\left(\frac{1+gm'\pi}{R_{s}+r\pi}+\frac{1}{R_{L}Ur_{ce}}\right)=i_{T}$$

$$V_{0} \left(\frac{R_{s+r_{\overline{H}}}}{1+g_{m}r_{\overline{H}}} + \frac{1}{R_{L}Ur_{Le}} \right) = i_{\overline{T}}$$