QL Ann 6 Q1P135 135 $\overline{I_{\mathbf{P}}} = \frac{V_{\mathbf{Q},\mathbf{F}}V^{-}}{R} \qquad \overline{I_{1}} = \frac{V^{-}O}{R} \qquad V^{+} = V_{in}$ =3 12 talking I2=I, => Var V V R1 => V R2 = Voul V $= 7 V - \left(\frac{R_2}{R_1} + 1\right) = V_{out} (1) - >$ Yout = $A(V^{+}V^{-})$ (eq 19) Your = AV+-AV $\left(\frac{R_2}{R_1}+1\right)+A$ Assume open loop Gain $\frac{\text{Voot}}{\text{Vin}} = \lim_{A \to \infty} \frac{A\left(\frac{R_2}{R_1}+1\right)}{\left(\frac{R_2}{R_1}+1\right)+A} = \frac{1}{R_1}$