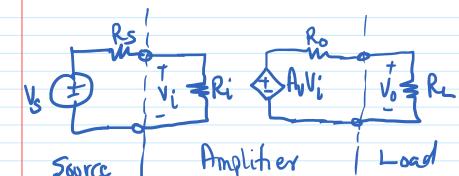
Opamp-Based Circuits Monday, January 22, 2024 4:10 PM



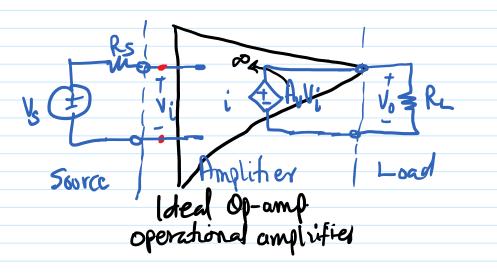
Vo Vs = Ri Ayx RL Rs+Ri RL+Ro

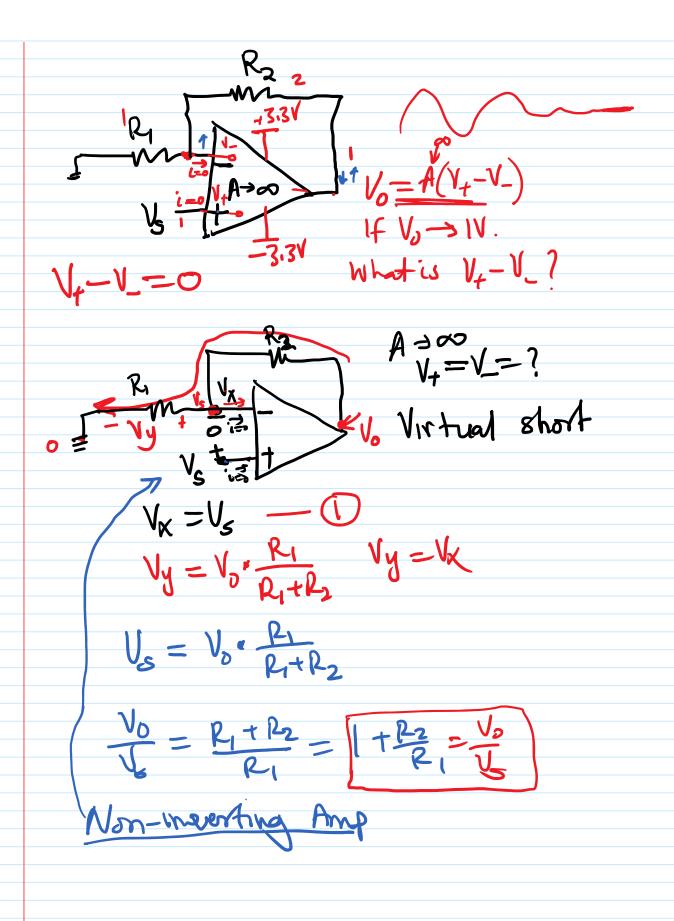
560rcc

Ideal i 1. Input resistance, Ri 300 2. Output remotence; Ro 30

Difficult to get exact Au -> Make Au very large -> 00

Then use feedback to achieve desired gain





$$\frac{R_{1}=0}{V_{0}}$$

$$\frac{R_{2}=0}{V_{0}}$$

$$\frac{V_{0}=1}{V_{0}}$$