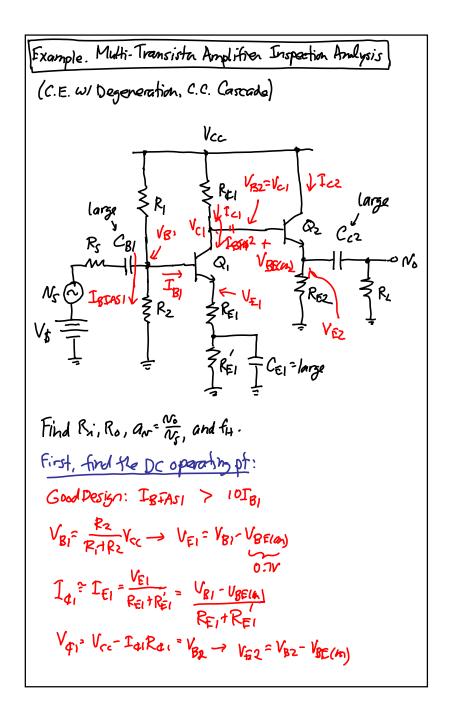
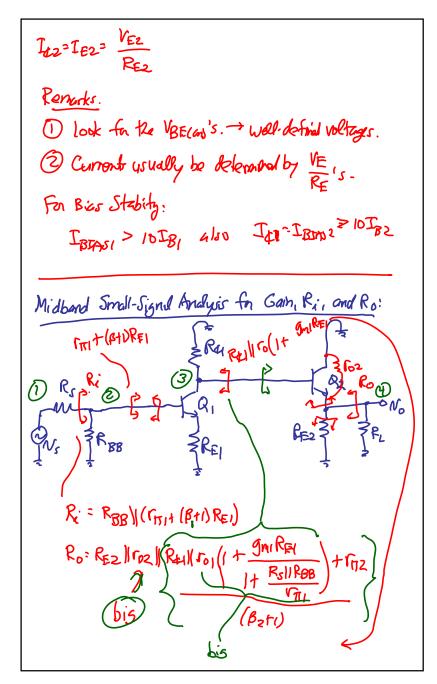
Lecture 31: Multi-Transistor Circuit

- Announcements:
- HW#10 online and due Friday two weeks from now via Gradescope
- · Lab#5 due Tuesday, Nov. 6, 5 p.m.
- · Midterm coming up
 - ♦ Friday next week, Nov. 9, @ 5 p.m., in 277 Cory (just like last time)
 - ♥ Midterm Info Sheet online
- . -----
- · Lecture Topics:
 - **♦ Midterm Info Sheet**
 - ♥ Generally-Loaded Transistor
 - -Terminal Resistances
 - -Terminal-to-Terminal Gains
 - -Inspection Analysis Sheet
 - -Examples
- -----
- · Last Time:
- · Presented the Inspection Analysis Sheet
- · Now use it on a multi-transistor circuit ...



Lecture 31w: Multi-Transistor Circuit



$$\frac{1}{N_{c}} \frac{N_{c}}{N_{c}} \frac{N_{c}}{N_{c}} \frac{N_{c}}{N_{c}} \frac{N_{c}}{N_{c}} = \frac{N_{c}}{N_{c}}$$

$$= \frac{R_{c}}{R_{c}} \frac{||(r_{m} + (\beta_{1} + 1)R_{E})|}{R_{c} + R_{BB}} \frac{g_{m}R_{c}}{||(r_{m} + (\beta_{1} + 1)R_{E})|} \frac{g_{m}R_{c}}{||(r_{m} + \beta_{1} + 1)R_{E})|} \frac{N_{c}}{N_{c}}$$