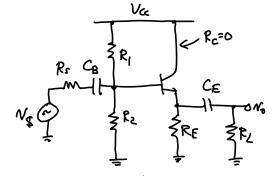
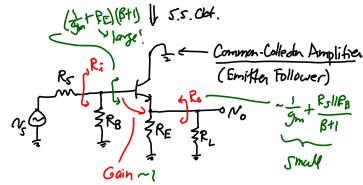
## Lecture 34: Purposeful Design

- · Announcements:
- · HW#10 online and due Friday Nov. 16
- Midterm later today, Nov. 9, @ 5 p.m., in 277
  Cory (just like last time)
  - ♦ We will have 2 hours for this exam
  - Midterm Info Sheet online
- · Lab 6 online and due 5 p.m., Friday, Dec. 7
- · Need to wait for Lecture 33 video
  - My computer hard drive crashed at the end of the last lecture
  - ♥ I did re-write the lecture, so you do have pdf online ... but need to wait for the ETS video to appear on CalCentral
- No lecture next Monday
- · Next lecture will be on Wednesday next week
- · Lecture Topics:
  - Purposeful Design
  - ♥ Cascode Amplifier
- · Last Time:
- · Finished MOS inspection analysis
- · Now consider design with a purpose
  - ♥ Very much needed for your Lab#6

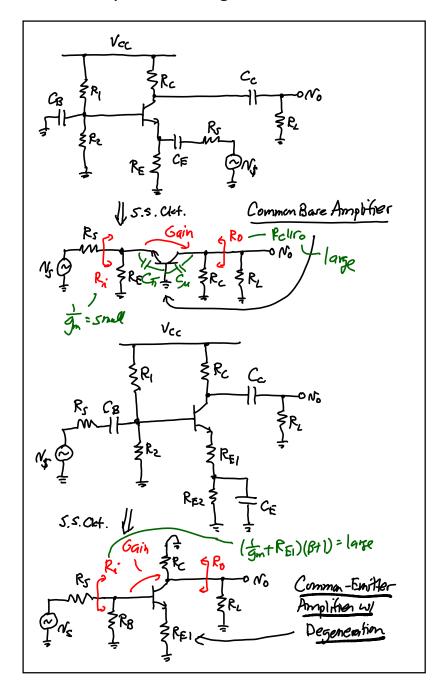
## Popular Amplifier Configurations -> Building Blacks

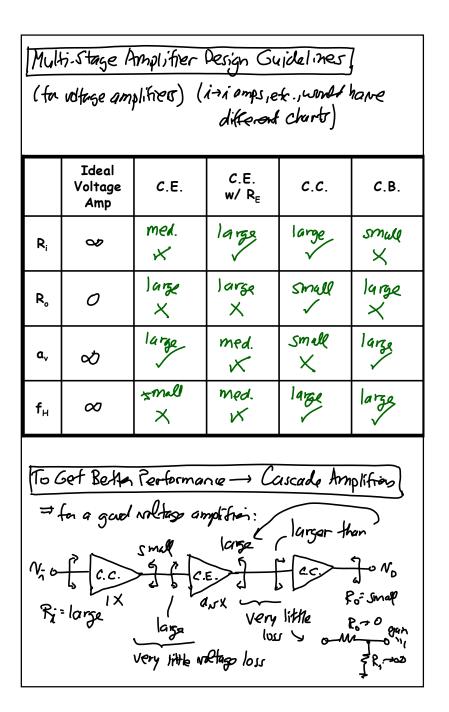
- By merely altering the placements of input/output signals and bypass/coupling capacitors, one can realize many amplifier configurations
- · Some of the most useful examples:



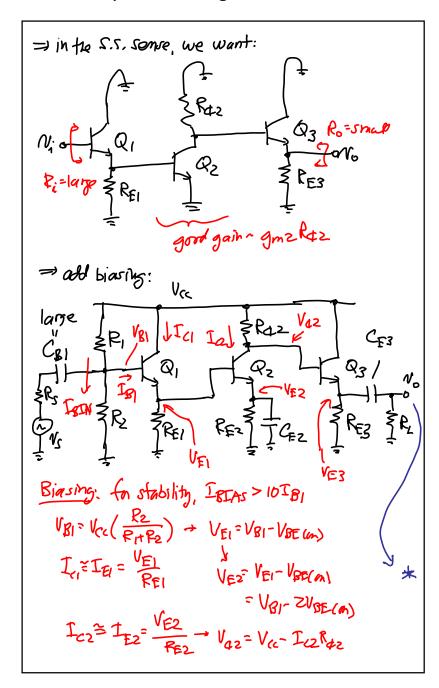


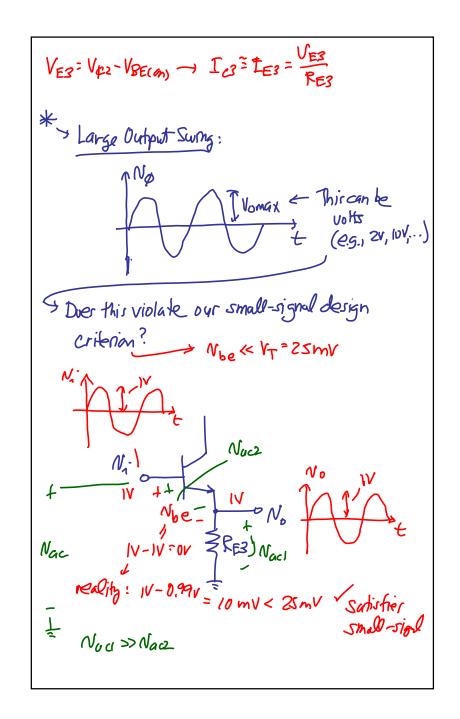
Lecture 34w: Purposeful Design





Lecture 34w: Purposeful Design





Lecture 34w: Purposeful Design

