E151 Lecture 13 Handout
What is the small signal impedance of a diode connected BJT?
What's a current mirror and why do we use them?
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Draw a simple current mirror.
What are the four design parameters we study for current mirrors? What are they for a simple mirror? (include a derivation of epsilon.)

Draw a simple current mirror with a beta helper and record its design parameters
Which transistor is the beta helper? What is it doing? What single stage amplifier stage does it act like?
Draw a cascoded current mirror and record its design parameters