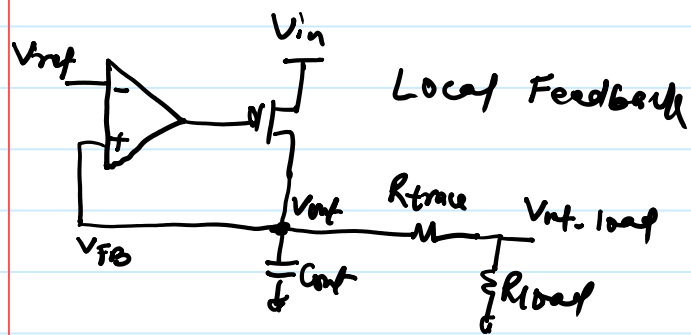
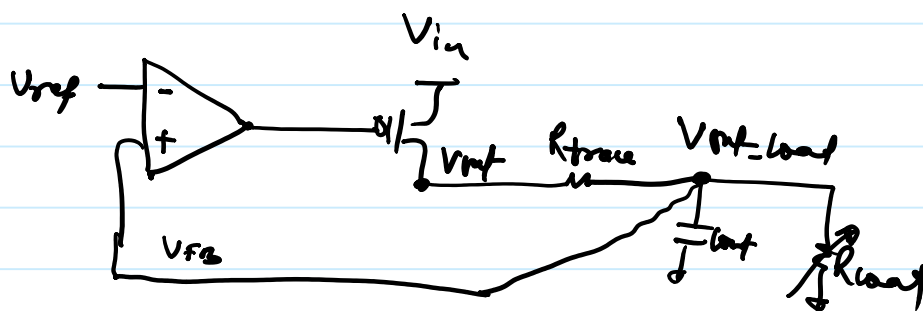


Local Vs Remote Feedback



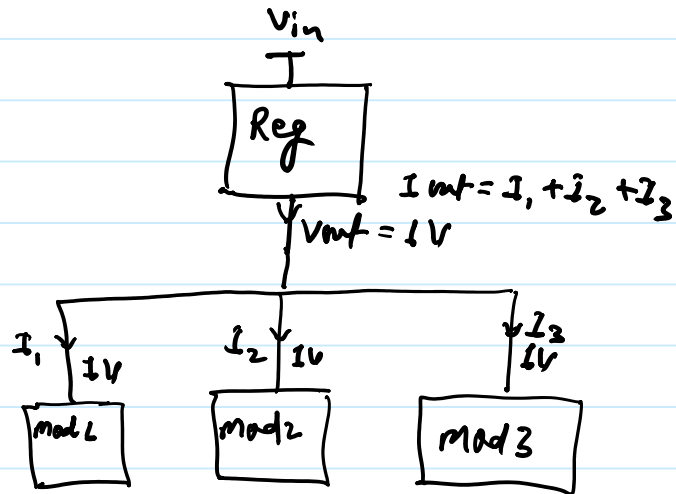
$$V_{out-load} = V_{out} - I_{load} \cdot R_{trace}$$



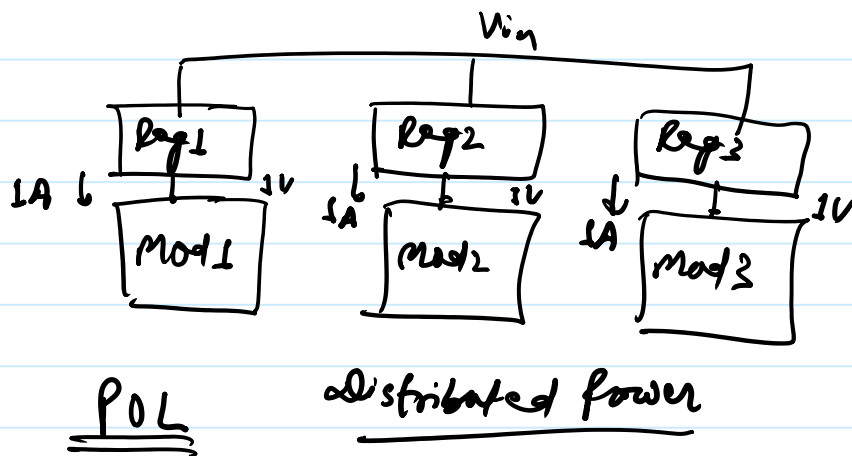
$$V_{out-load} = V_{ref}$$

$$V_{ref} = V_{out-load} + I_{load} \cdot R_{trace}$$

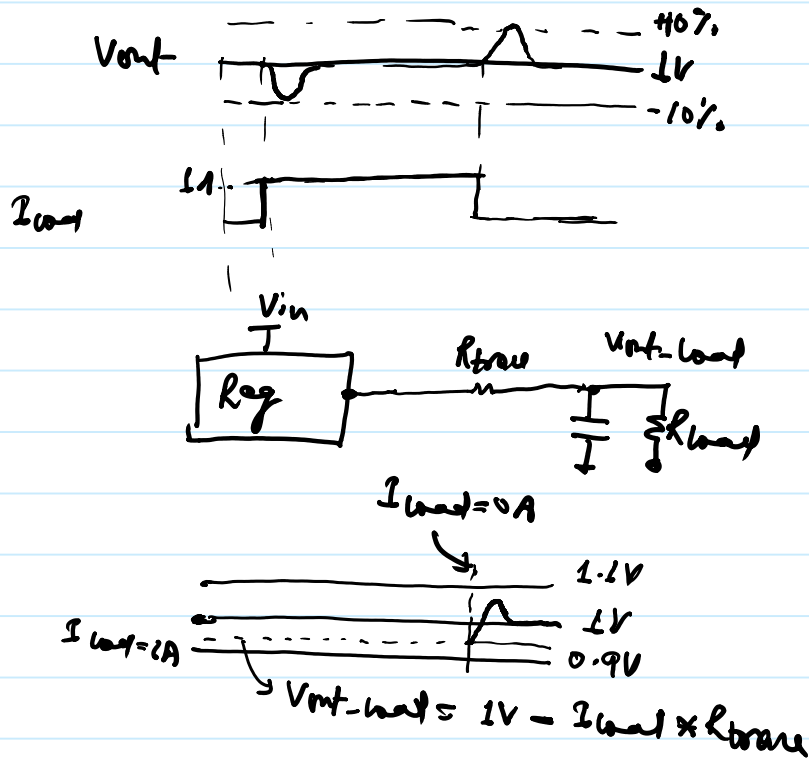
Point-of-Load (PoL)



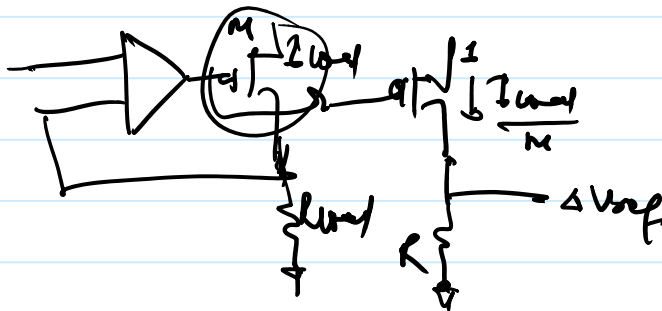
Centralized Power supply



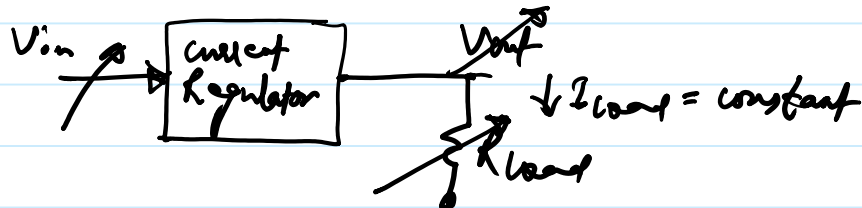
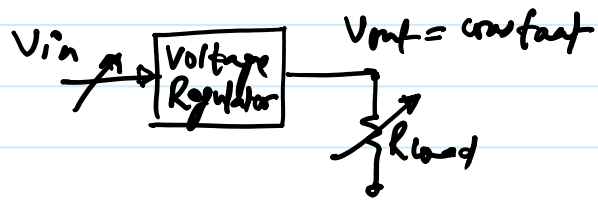
Droop Compensation



$$V_{out} = V_{ref} \pm \Delta V_{ref} \propto I_{load}$$

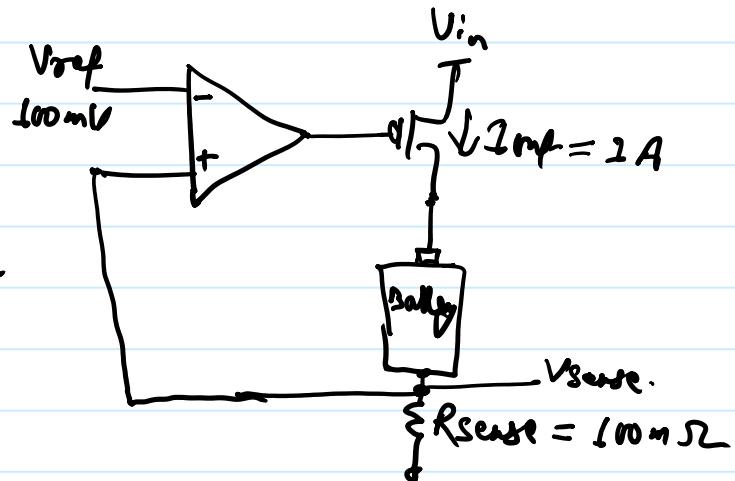


Current Regulators

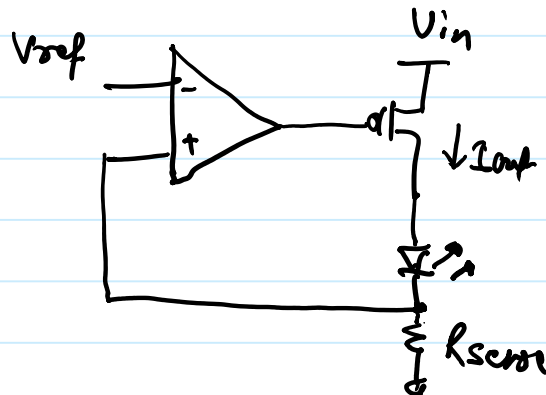


Applications

⇒ Battery charger



⇒ LED drivers



Kelvin Sensing

