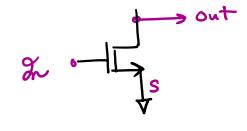
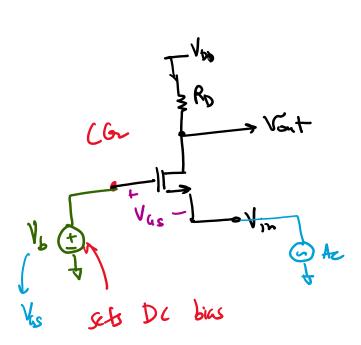
ECE 310 - Lecture 25 Monday, March 26, 2018 10:28 AM

Common Source Amplifice L CS with source dejeneration

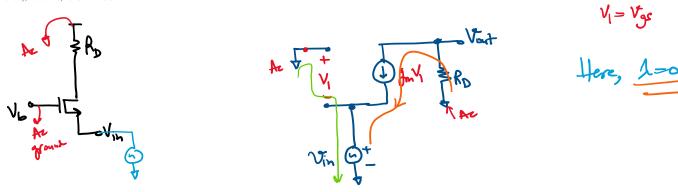




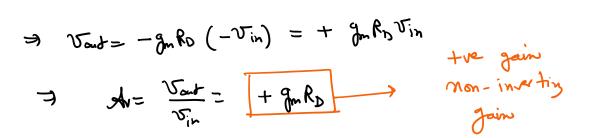


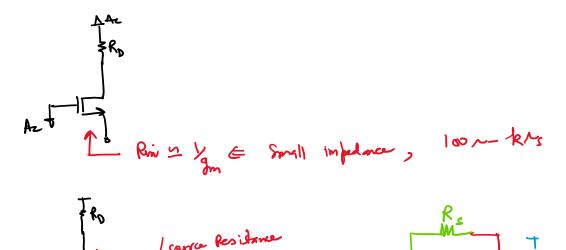
for the nonas

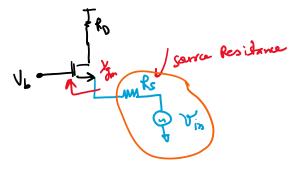
Monday, March 26, 2018 10:34 AM

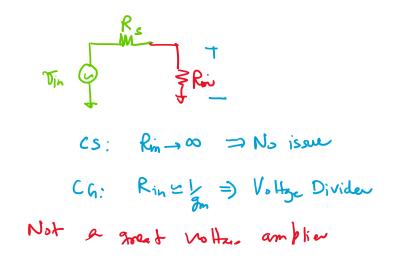


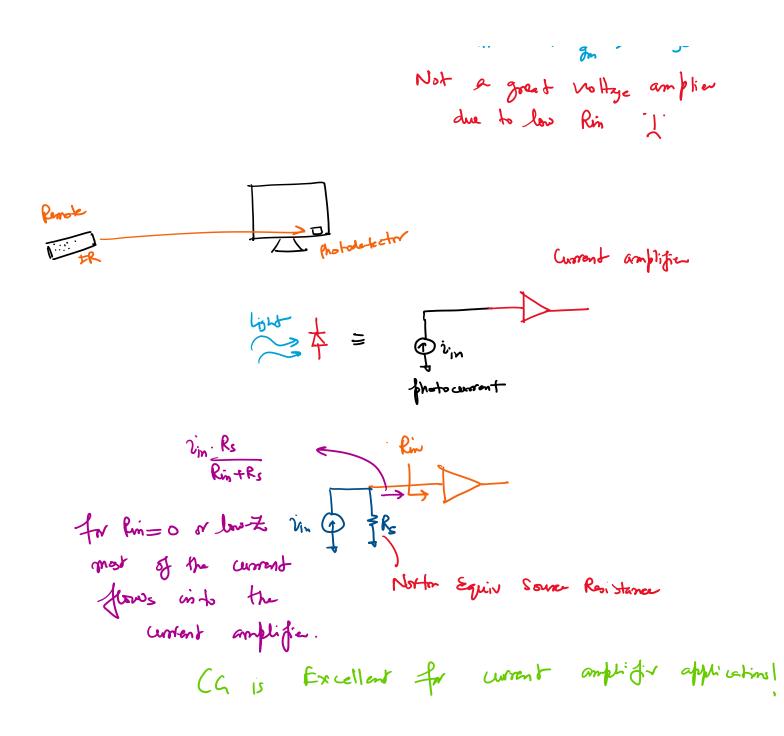
$$\begin{array}{ccc} \mathsf{KVL} & \mathcal{V}_{1} = -\mathcal{V}_{1n} \longrightarrow \mathbb{O} \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ &$$

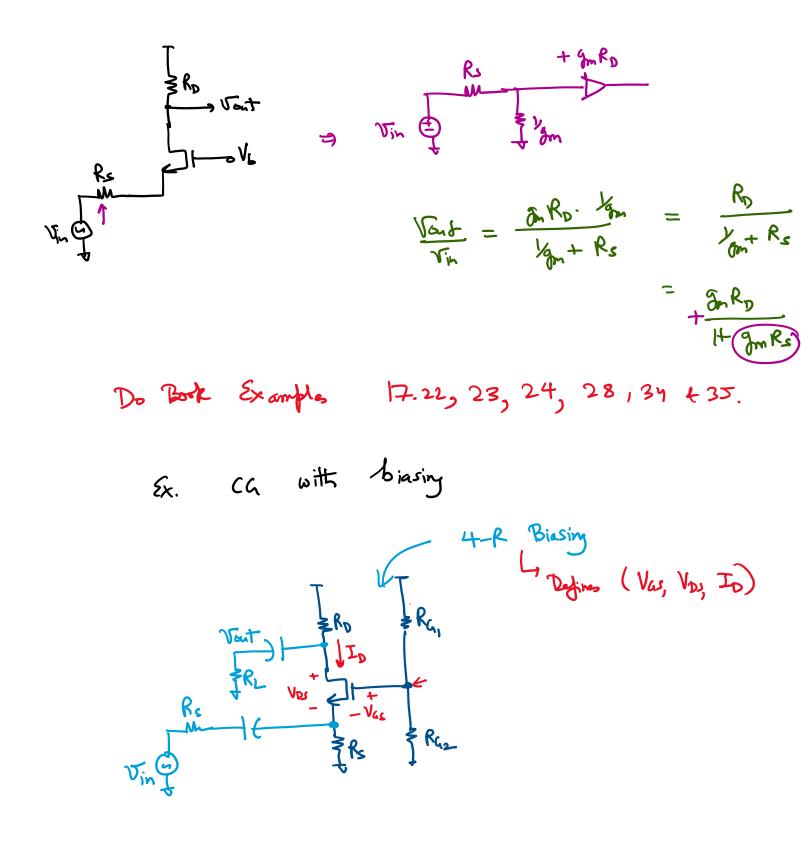








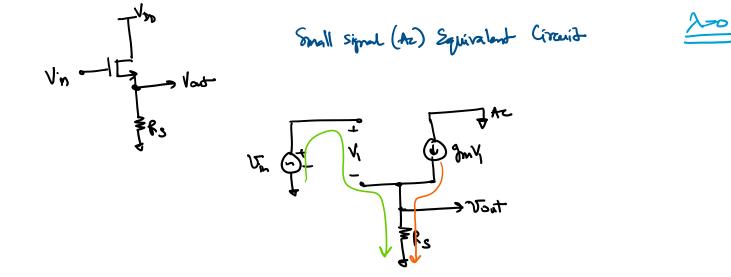




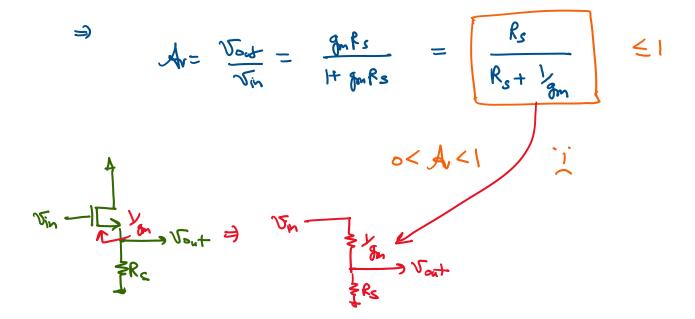
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(common Drain =) Source Follower (SF)

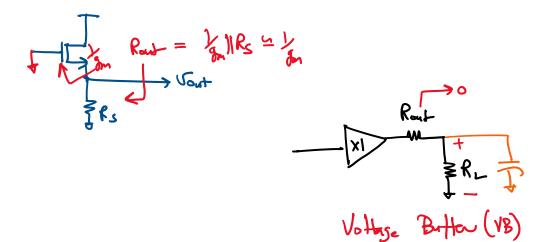
CD/SF

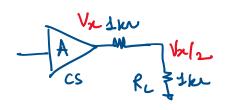


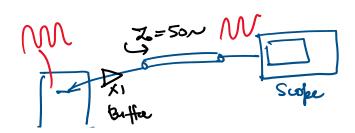
KYL:  $V_1 = V_{in} - V_{ait} \longrightarrow \bigcirc$   $\rightarrow$ :  $V_{out} = g_m V_1 \cdot R_s \longrightarrow \bigcirc$ > Vout = Juks [ Vin-Vout] =) Vast (1+ gmb) = gmbs Vin

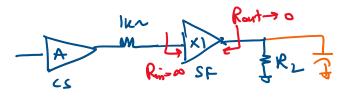










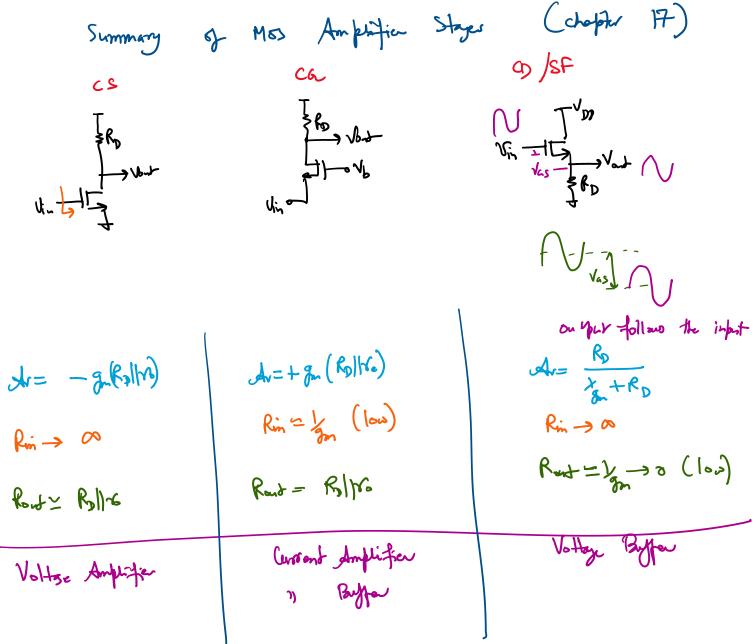


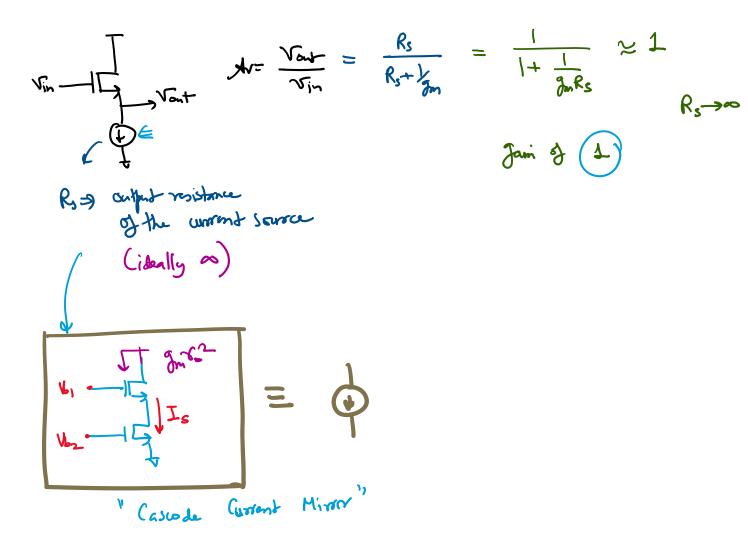
1B is used to iso hite look form a high gain amplifie VB

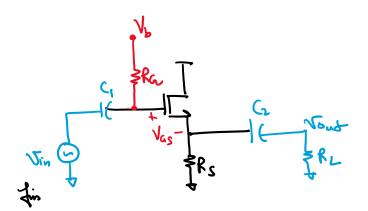
XI Buffre

Scope

Excellent is a Vally Buffer!







$$\overline{C} = R_{6}C_{1} > \frac{10}{4m}$$