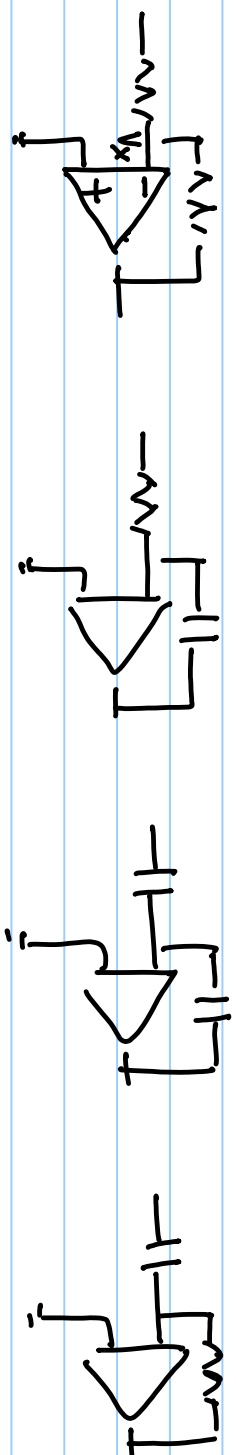
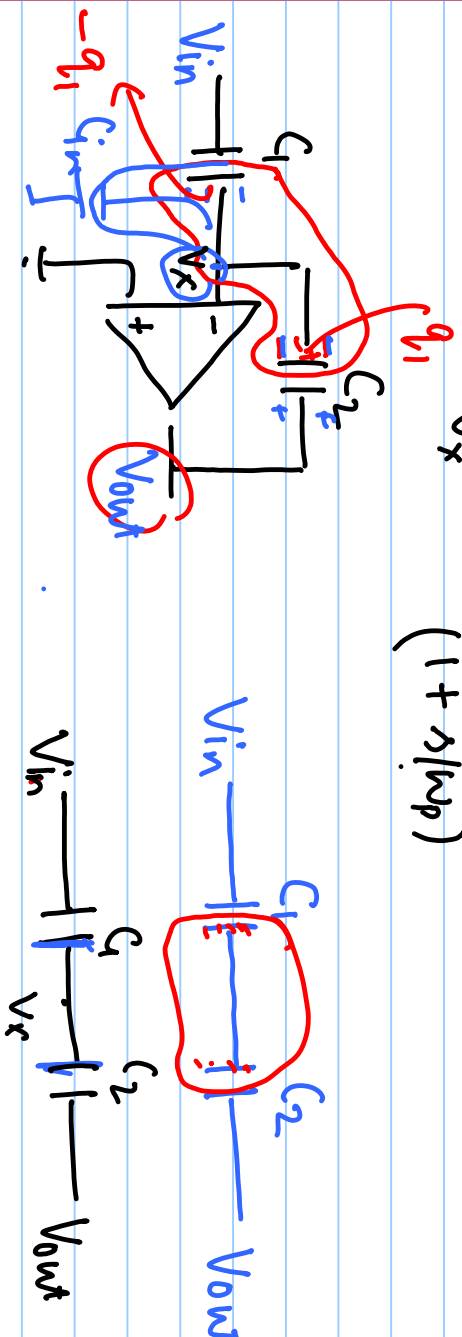


Lecture # 33

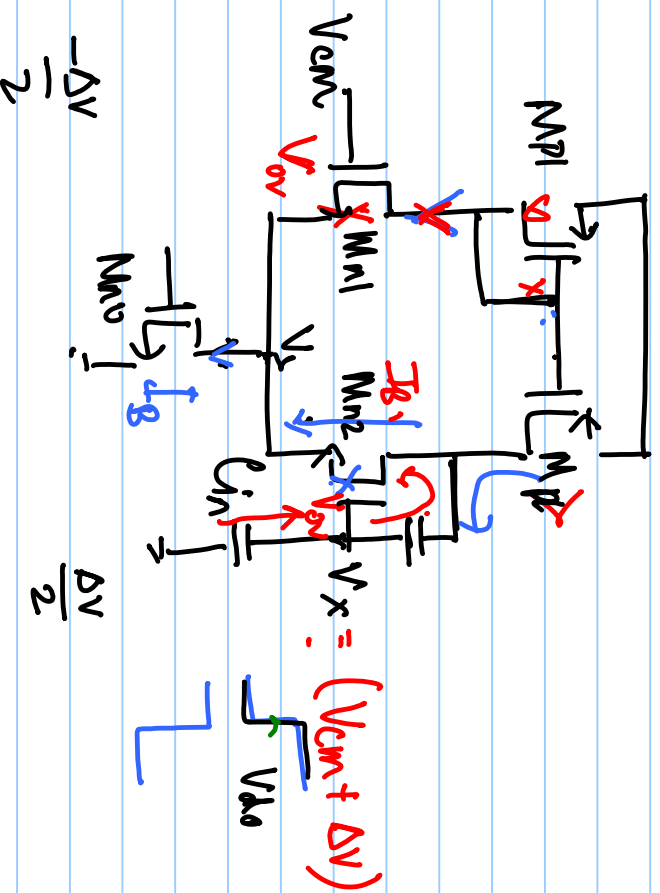


$$H(s) = \frac{V_{out}}{V_x} = \frac{-A_{DC}}{(1 + s/\omega_p)}$$



$$q_1 = C_1 \cdot V_{in}$$

$$q_{out} = C_2 \cdot V_{out} = -q_1 = -C_1 V_{in} \Rightarrow V_{out} = -\frac{C_1}{C_2} V_{in}$$



$$\sqrt{2} V_{av} \rightarrow I_3$$

