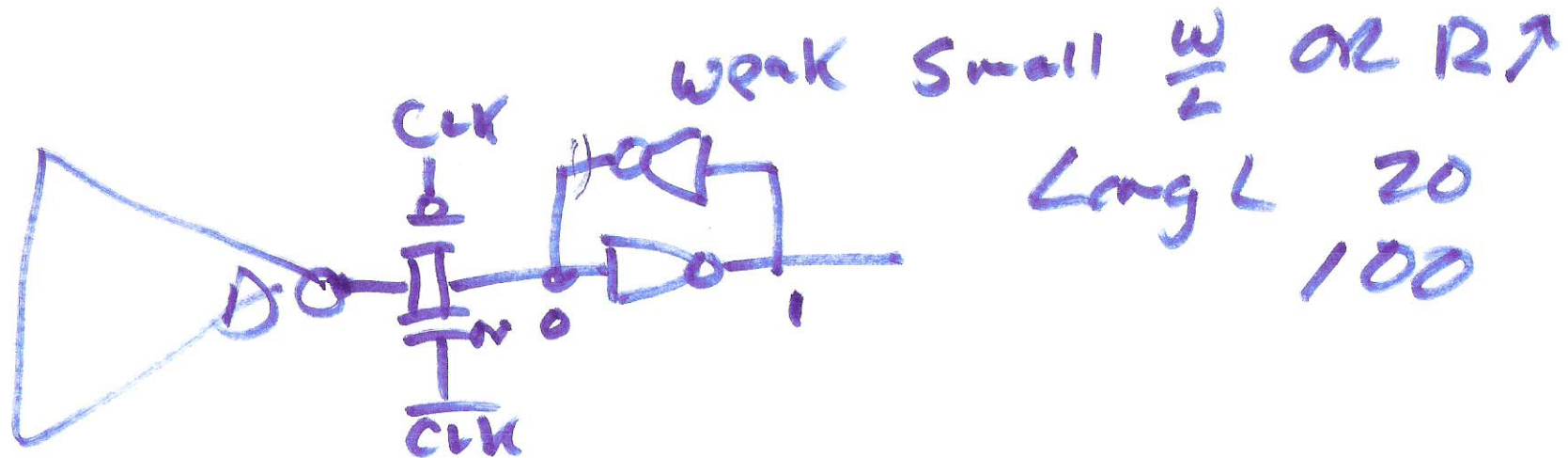


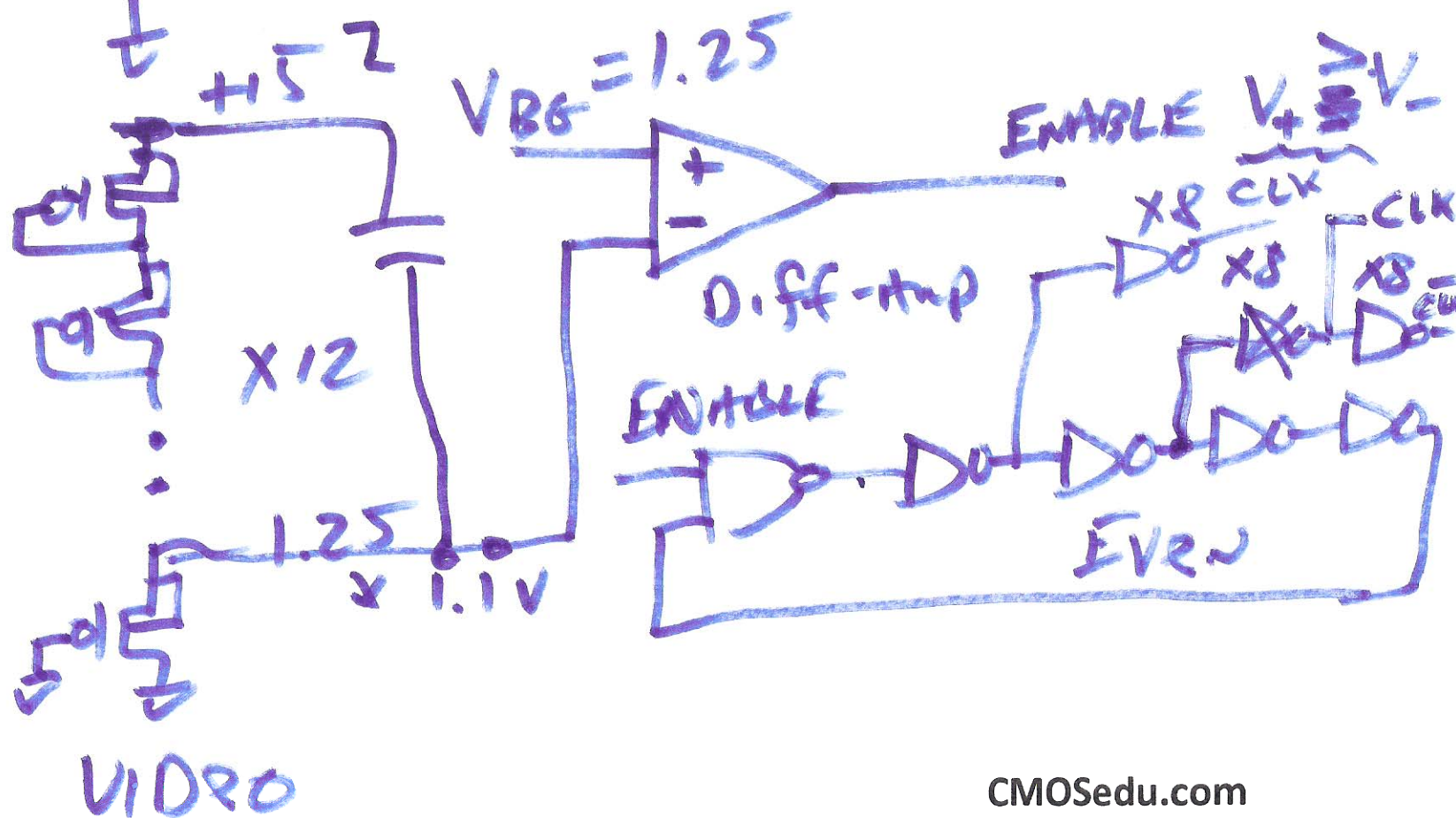
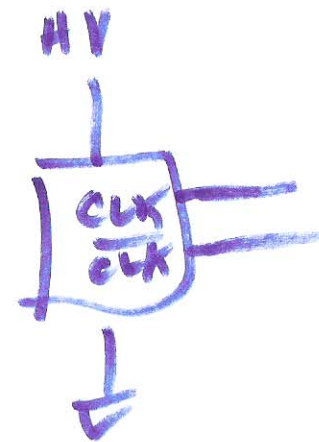
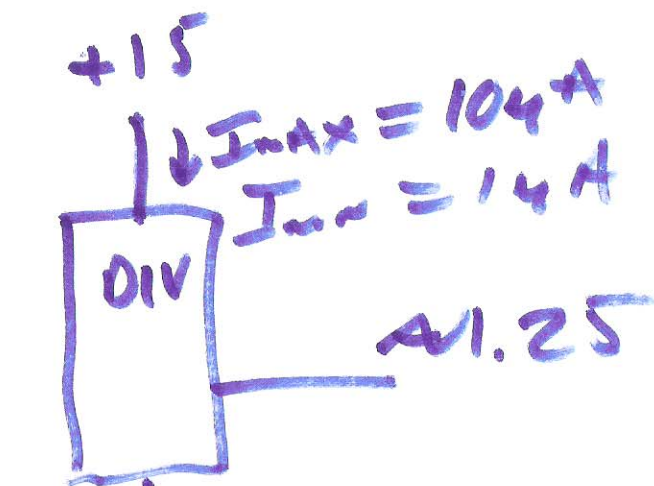
EE 421 / ECG 621

Lecture 24

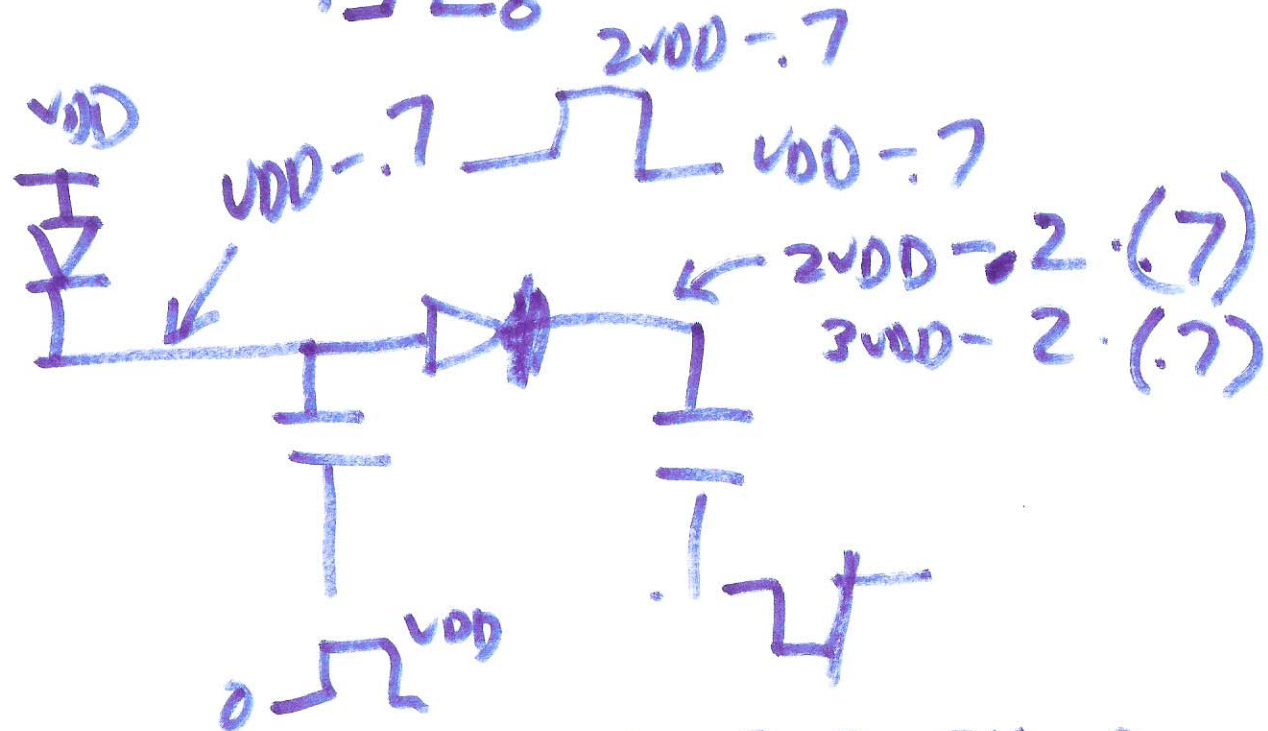
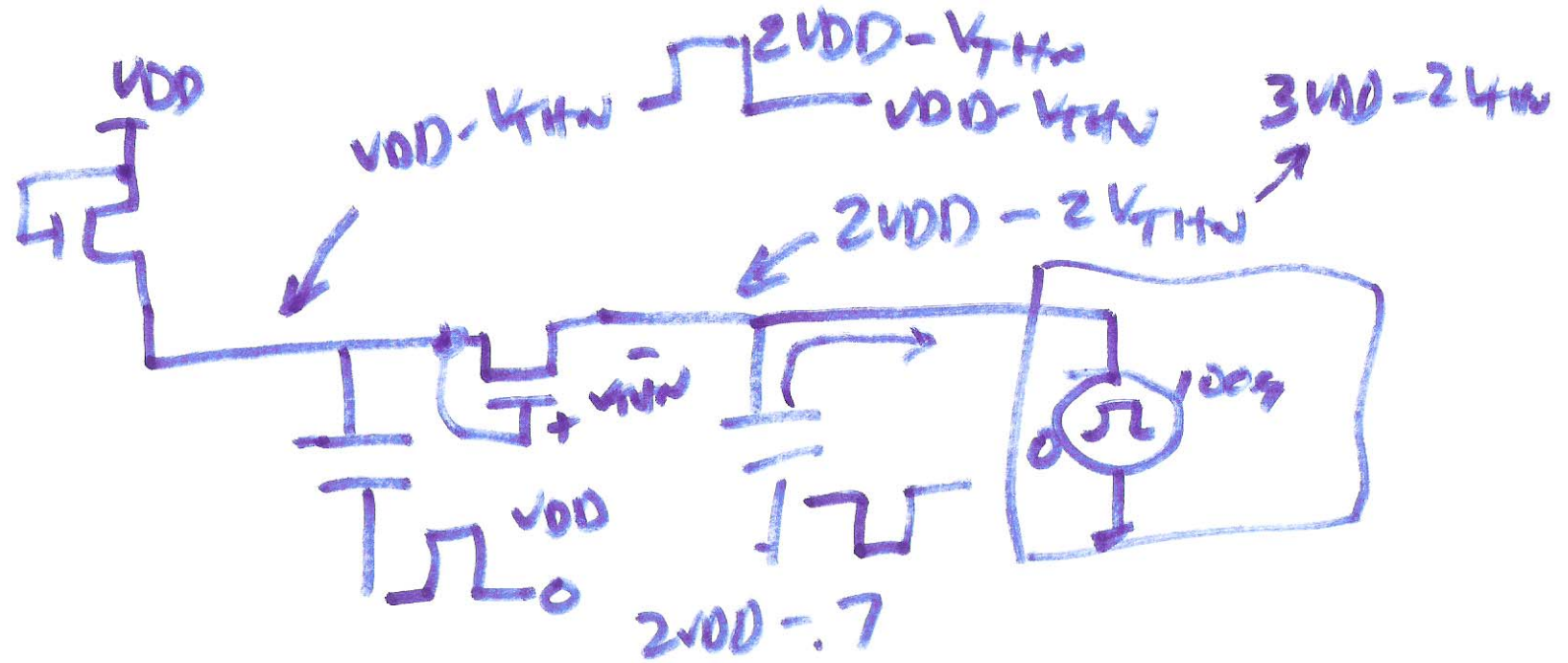
11/25/13

TALK ABOUT projects!

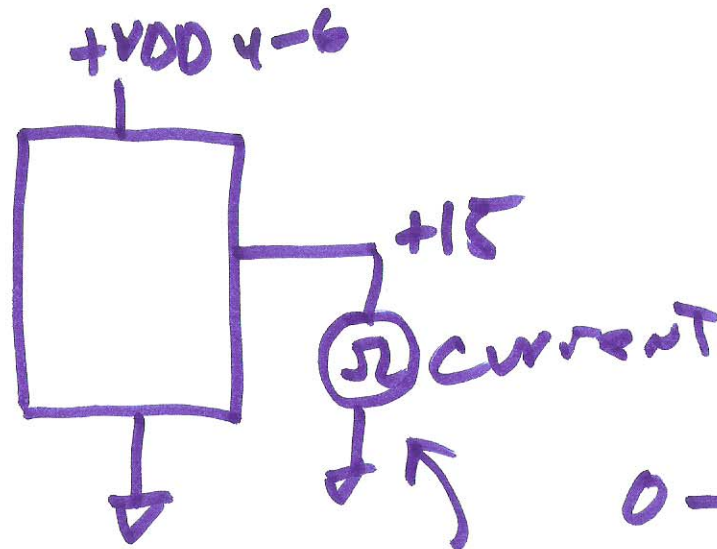




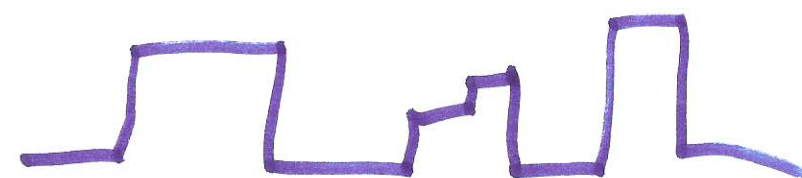
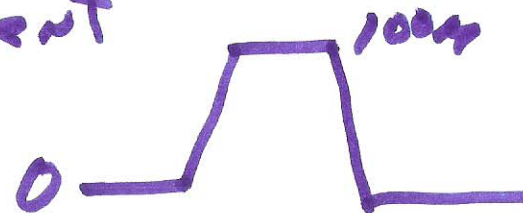
2)



Charge pump



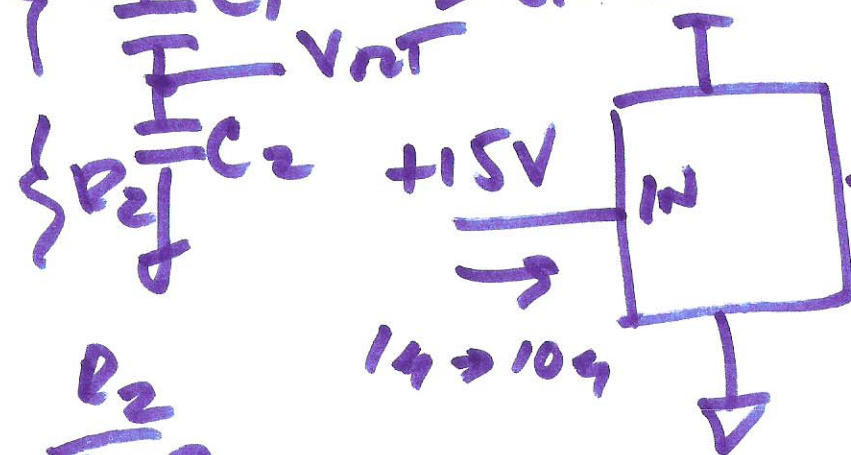
$$V_{in} \xrightarrow{C_1} \left[\frac{1}{s} C_2 \right] \xrightarrow{\frac{1}{j\omega C_2} + \frac{1}{j\omega C_1}} DV = \frac{1}{j\omega C_2} \cdot V_{in}$$



$$\frac{10}{110 + 10} = \frac{1}{12}$$

Load

$$\frac{\Delta V \cdot C_1}{G + G_2 + VDD \ 4-6} = \frac{\Delta V \cdot C_1}{G + G_2 + VDD \ 4-6}$$



$$\frac{R_2}{R_1 + R_2}$$

