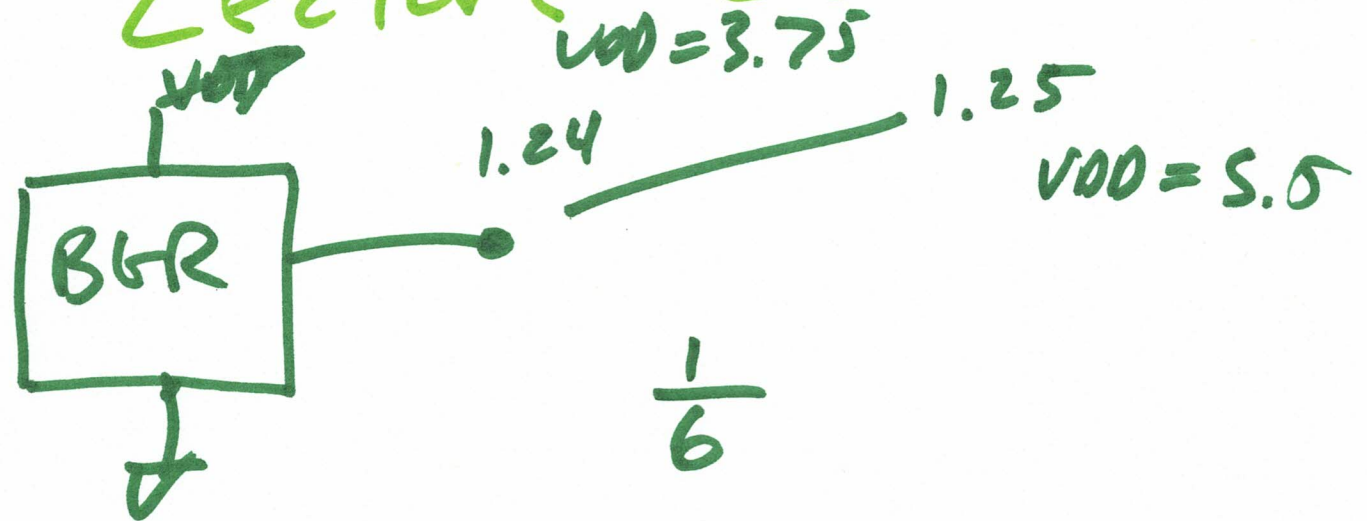


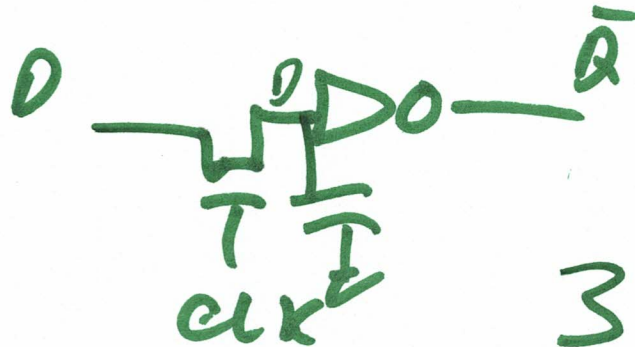
EE 421 / ECG 621

Digital IC Design

NOV. 27, 2019

Lecture 25

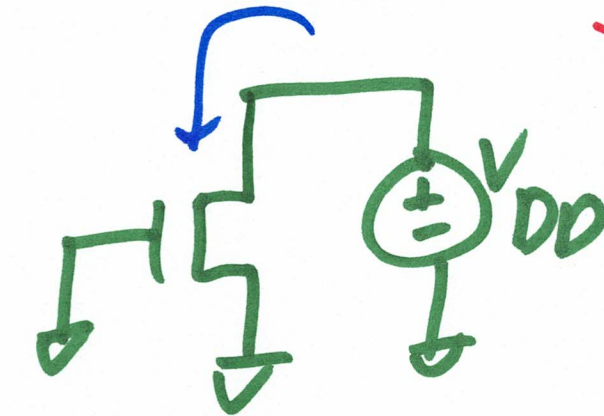




$$I_{\text{act}} = I_{\text{off}} \cdot W$$

$z^{-1}$

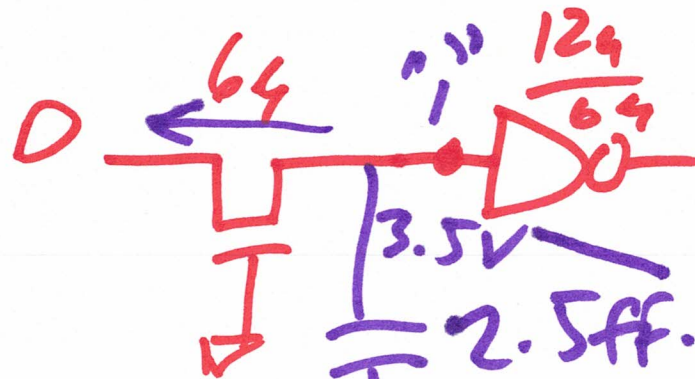
$$2.4V / 4s$$



$$\frac{10nA}{4m} \cdot 64 = 60nA$$

$$V_{DS} > 0$$

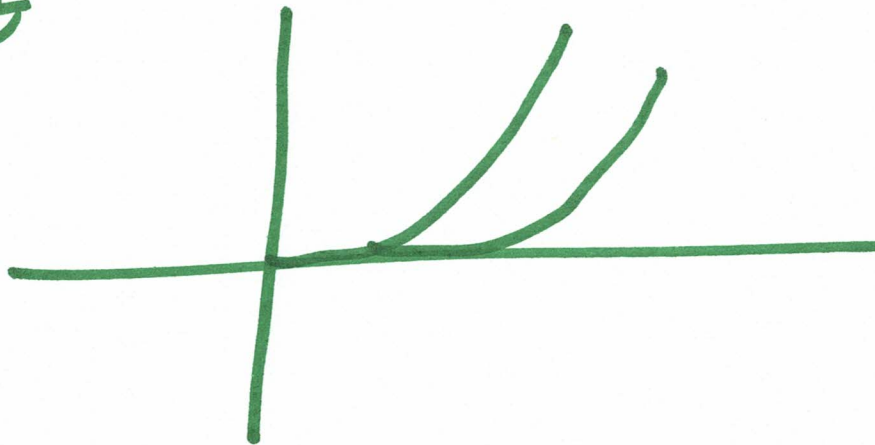
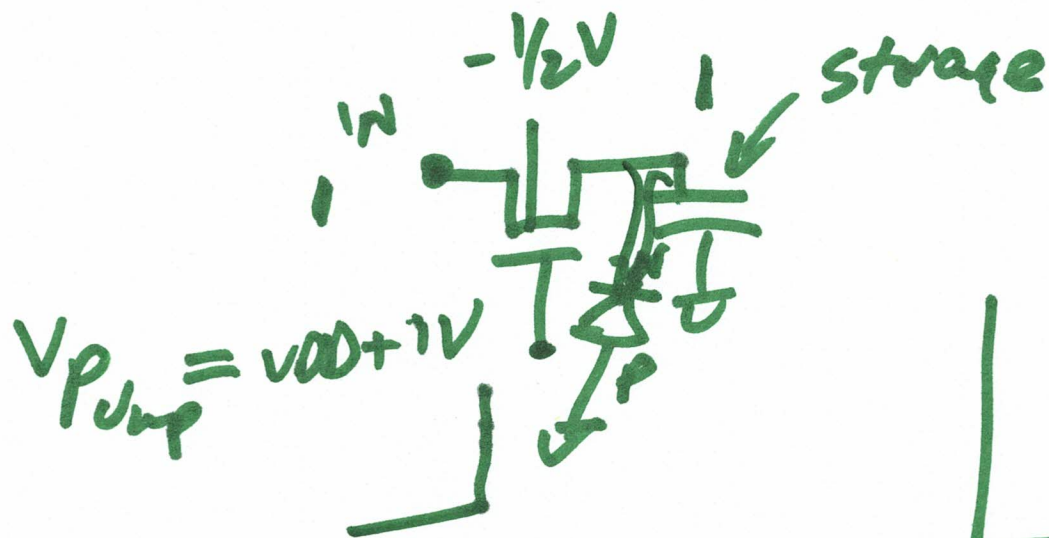
$$\frac{60nA}{25fF} = \frac{I}{C} = \frac{dv}{dT}$$



$$2.5fF \cdot (124 \cdot 64 + 64 \cdot 64)$$

$$\approx 2.5fF$$

# DRAM ITIC



3)

