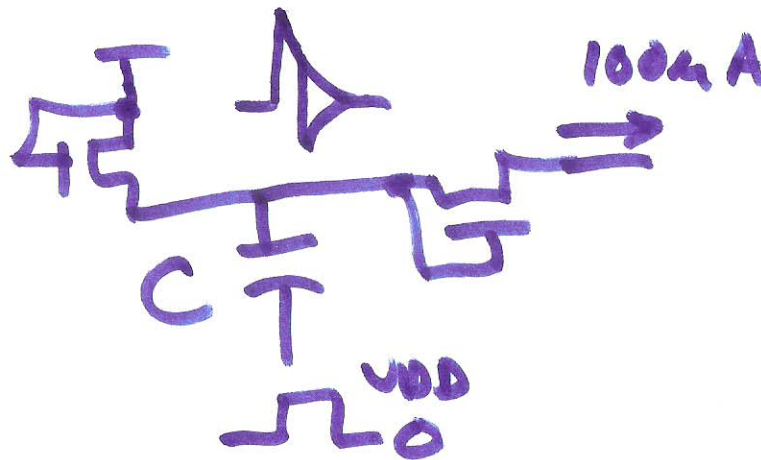


EE 421 / ECG 621

Dec. 2, 2013

Lecture 26

$$I = C \frac{dV}{dT}$$



$$\frac{100\text{ nA}}{C} = \frac{\Delta V}{T} = \Delta V \cdot f$$

ΔV = voltage change across C

$$C = \frac{I}{\Delta V \cdot f}$$

Designs

Cross Integer

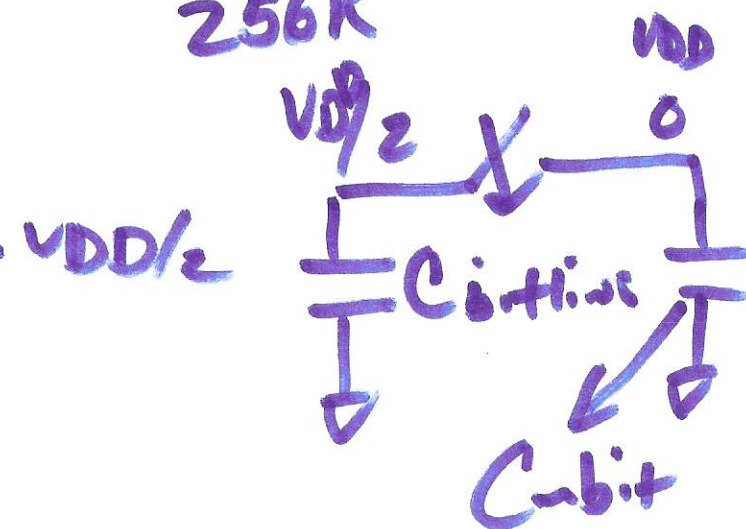
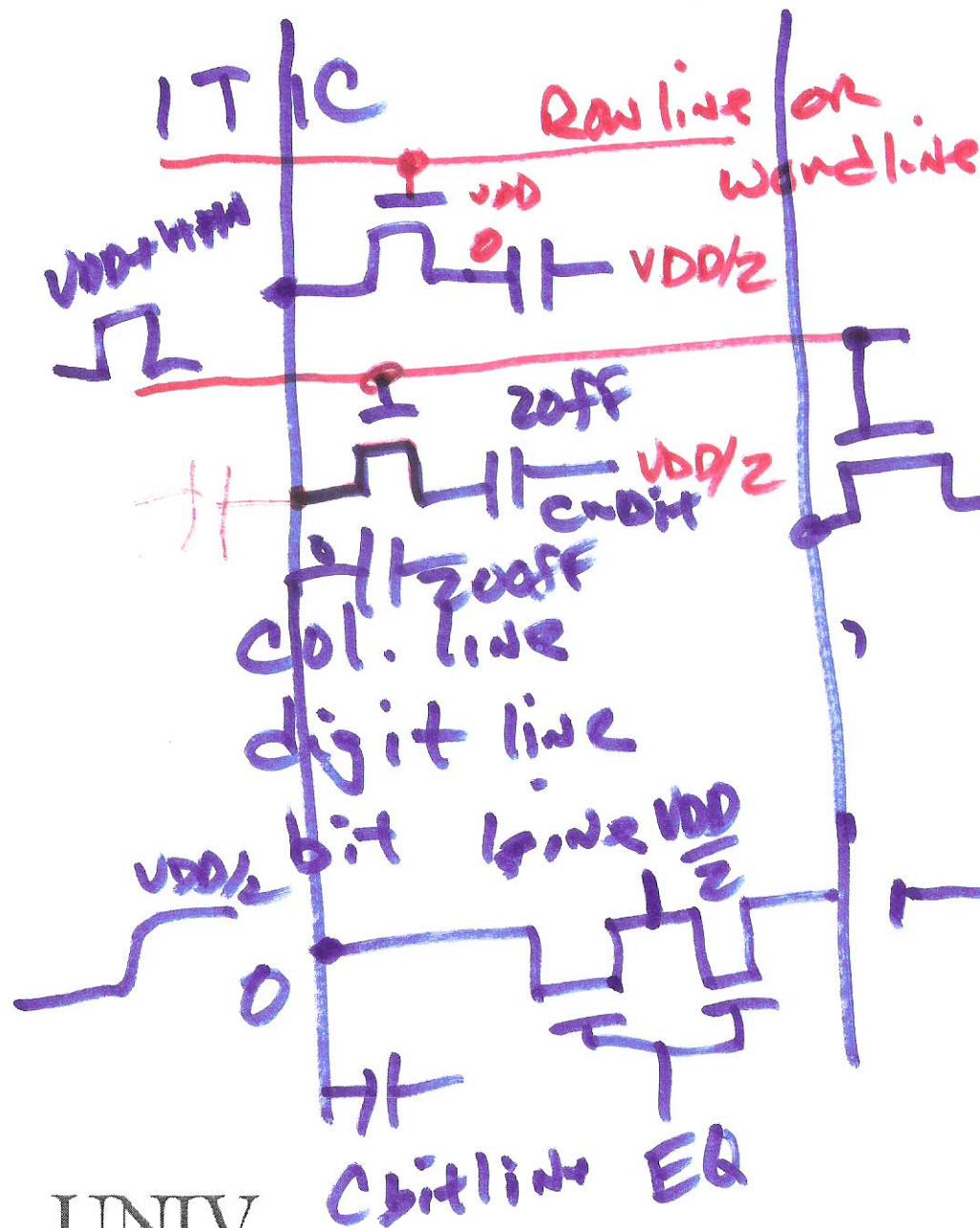
LCD monitor

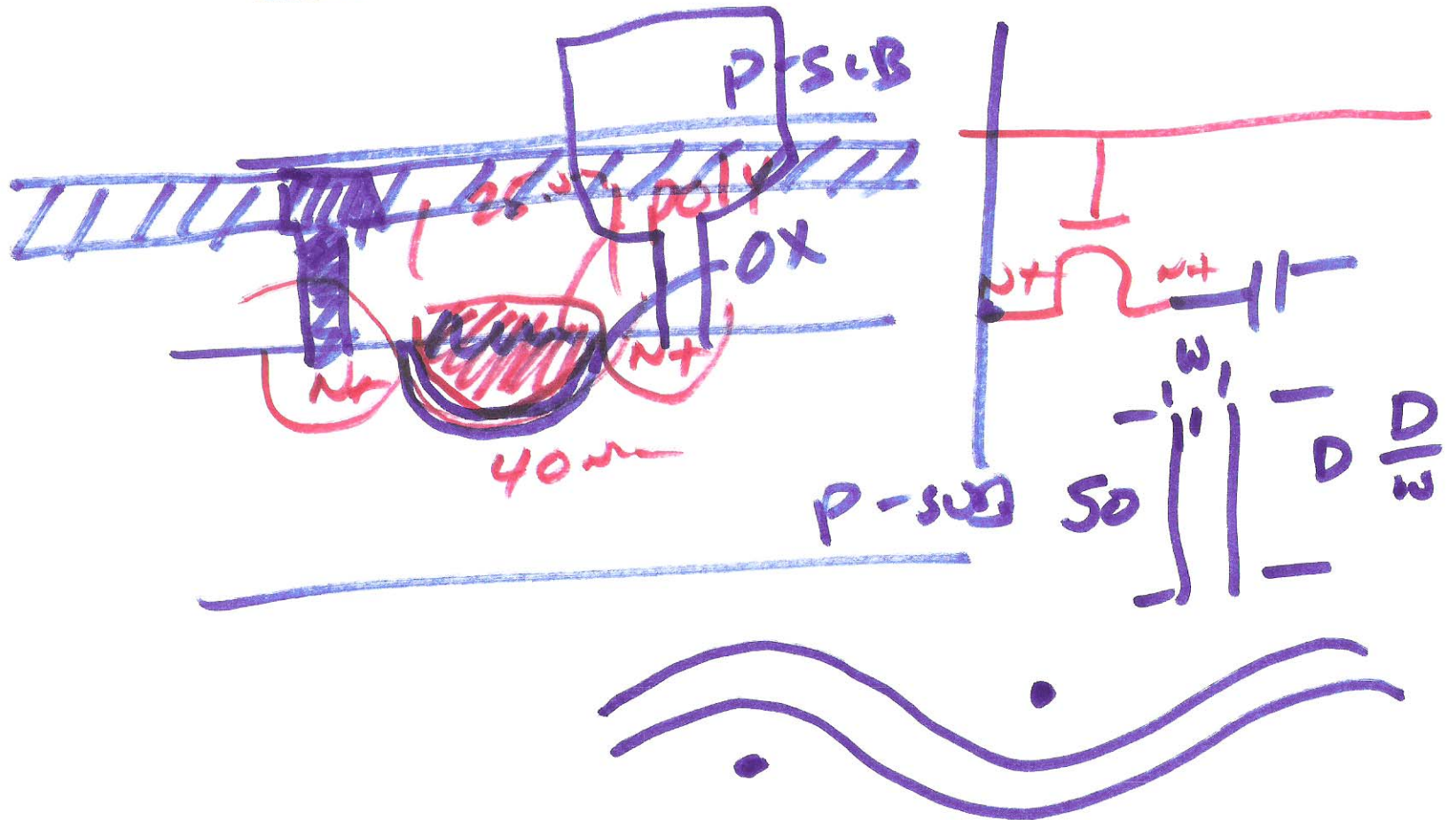
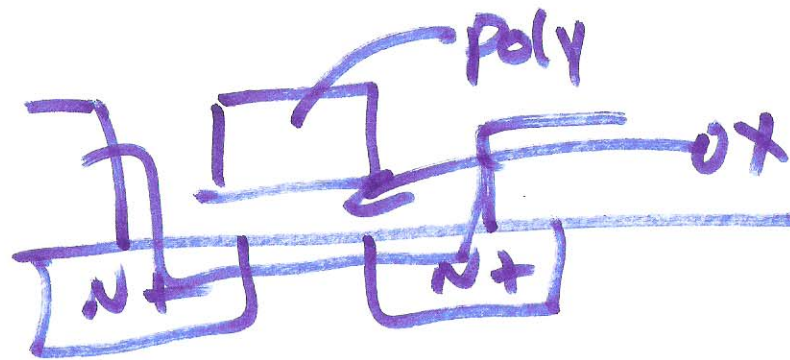
DRAM, SRAM

DRAM, SRAM

512 x 512

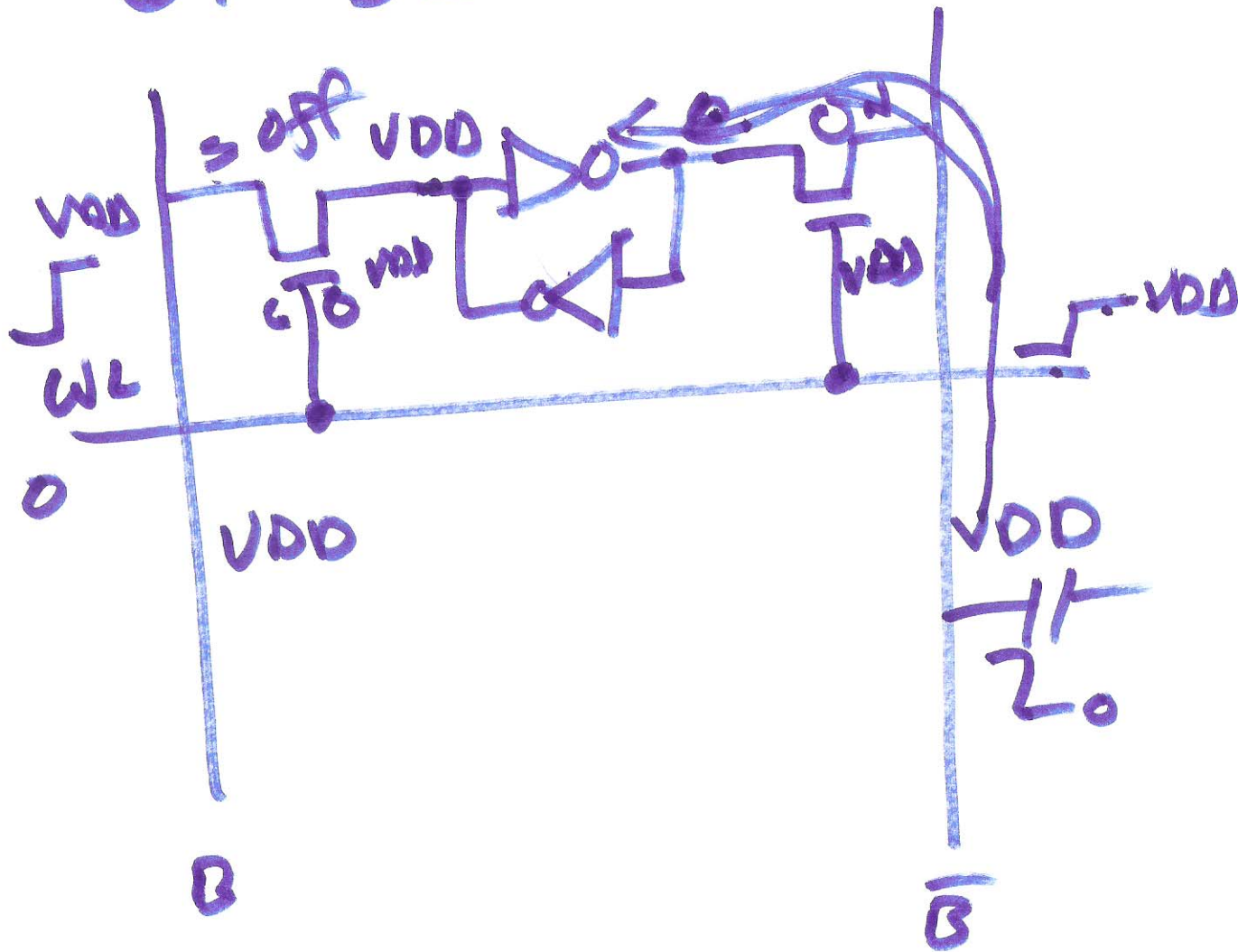
256K





4)

6T-1SRAM



5)