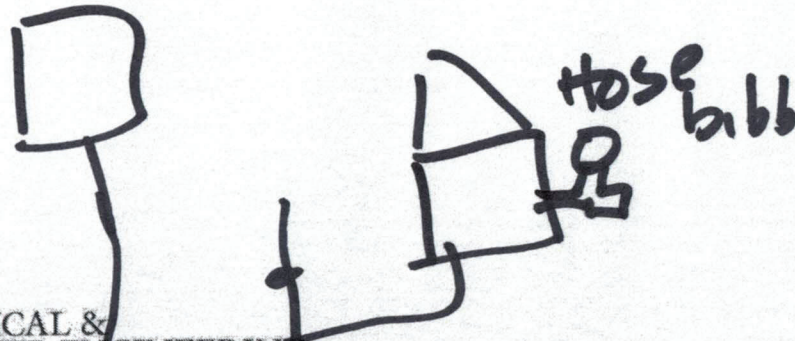
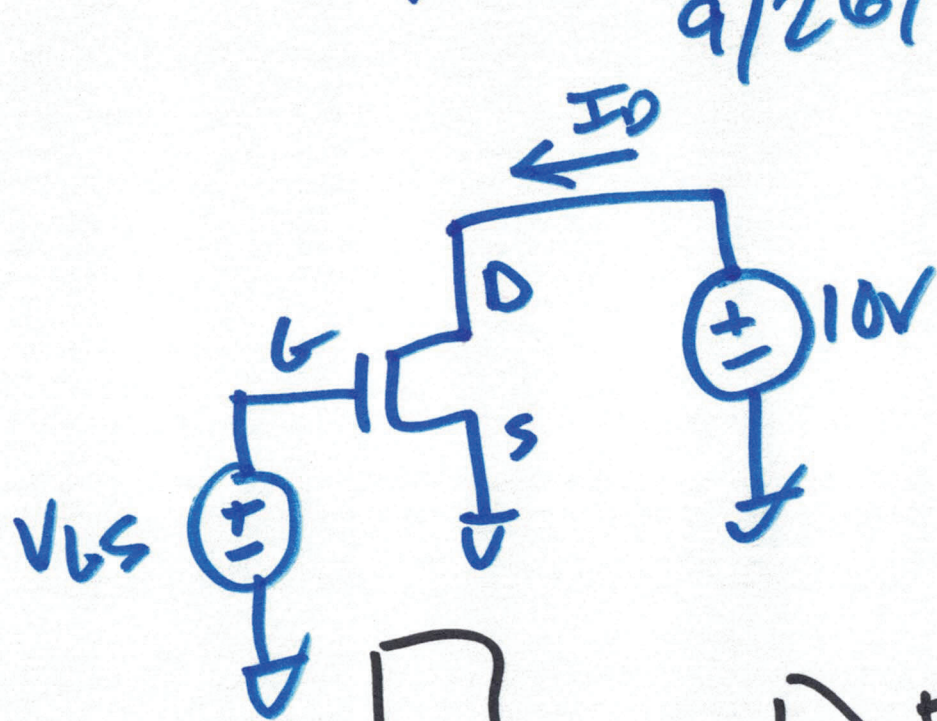
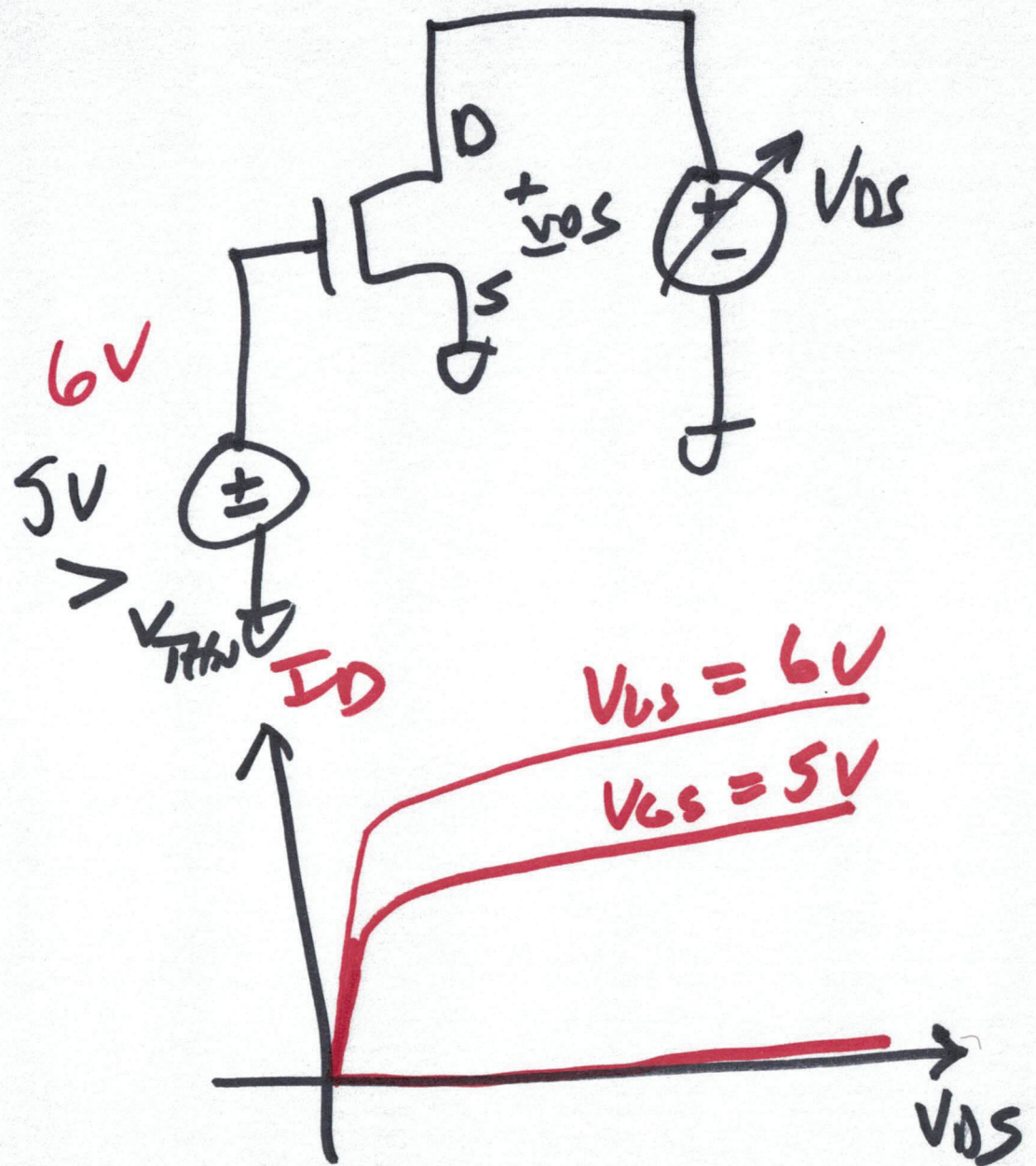
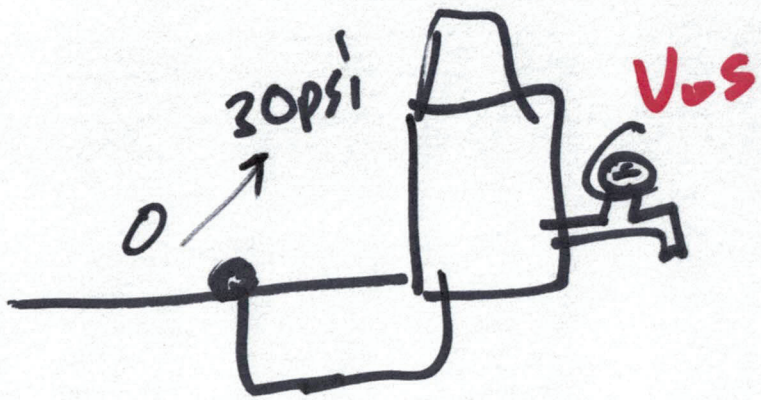
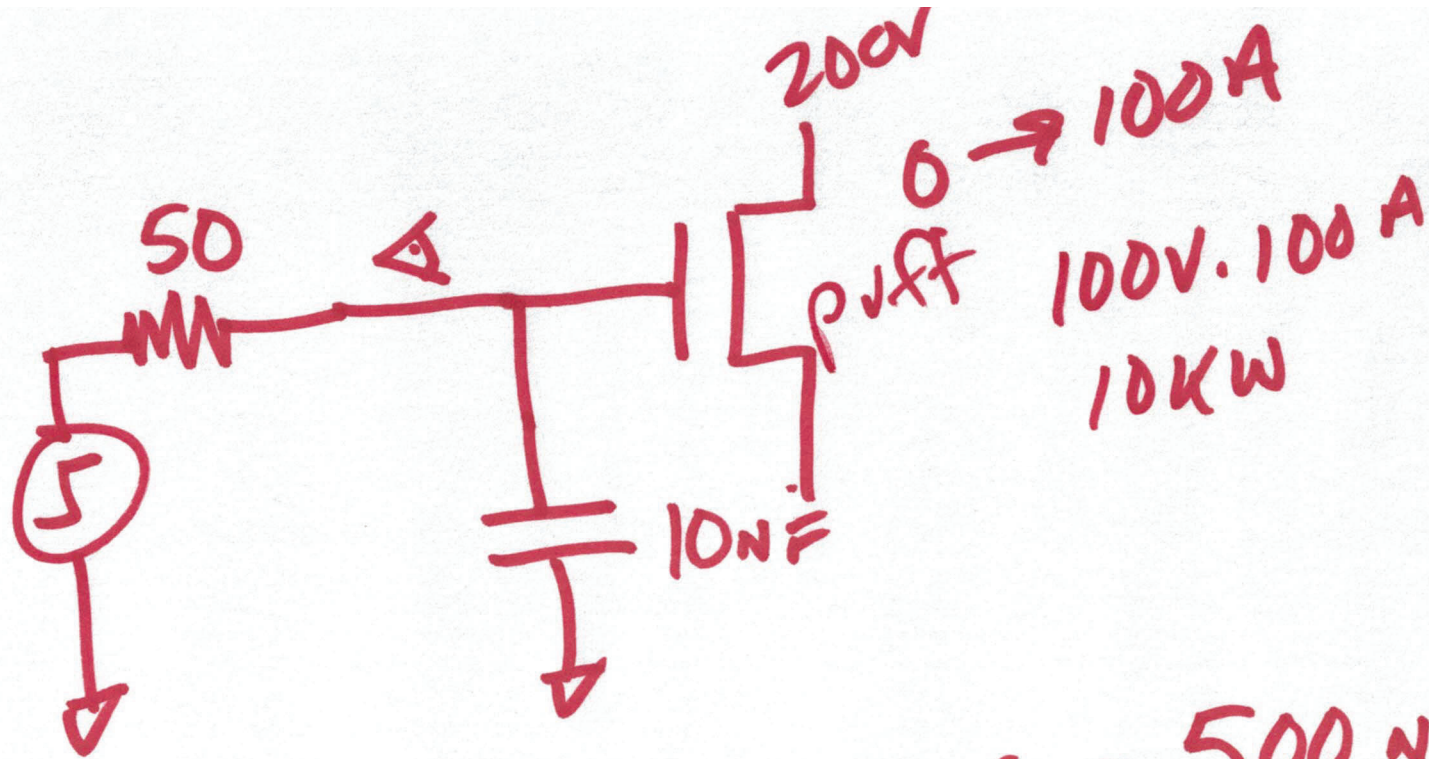


Lecture 8  
EE 442 / ECG 642  
Power Electronics  
9/26/2022



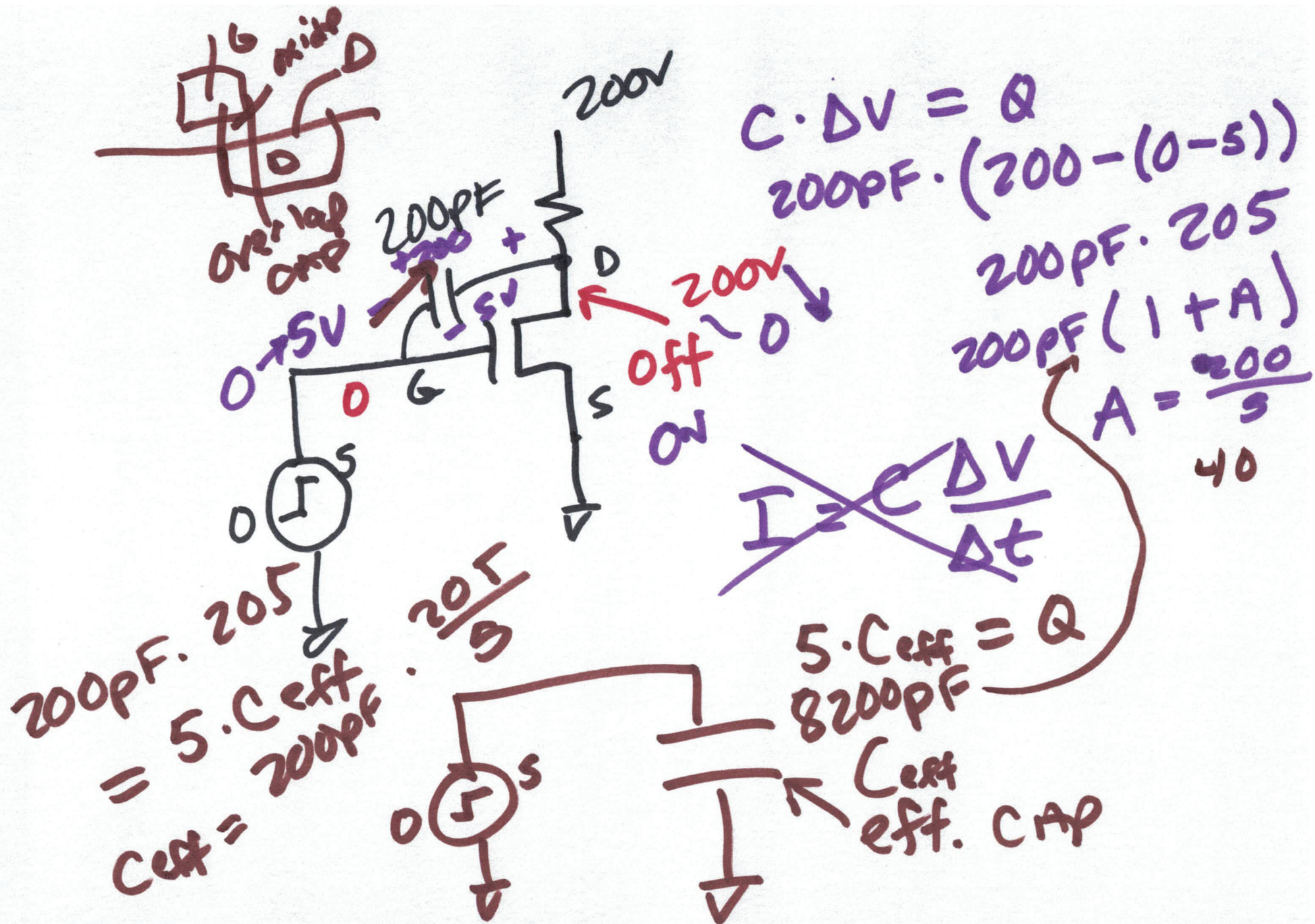


2)

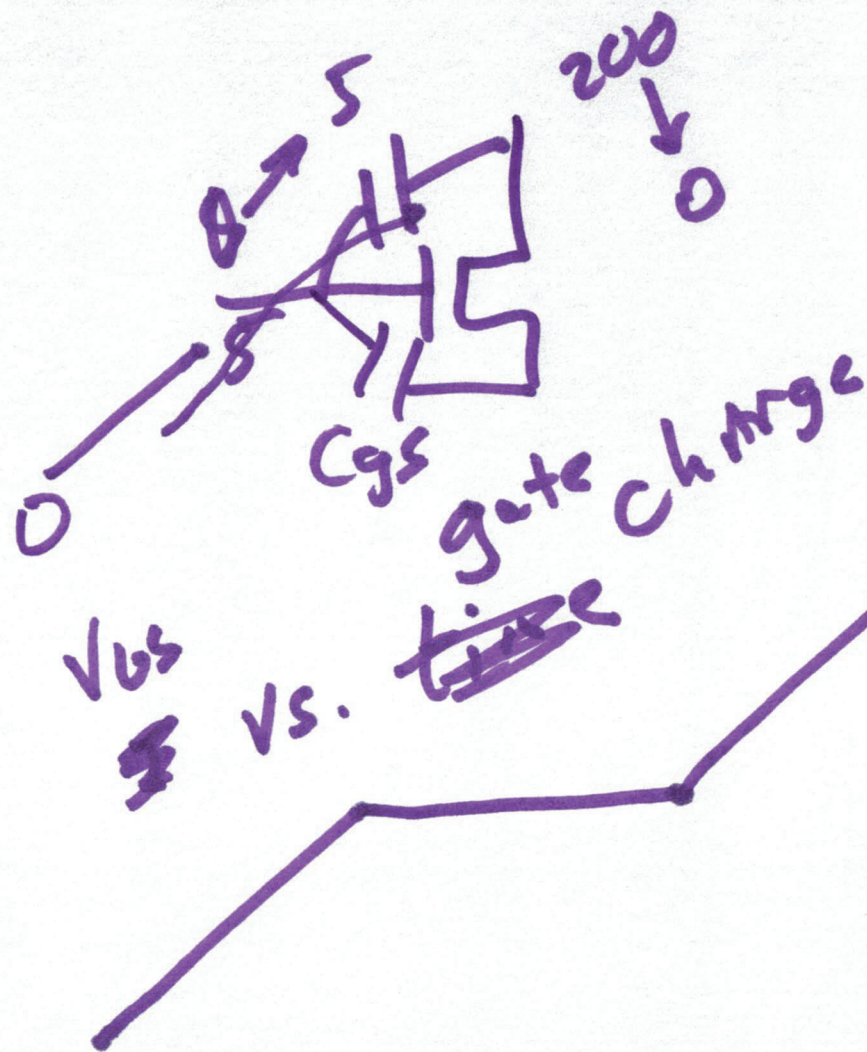


$$\tau = 50 \cdot 10\text{nF} = 500\text{ns}$$

0 500ns

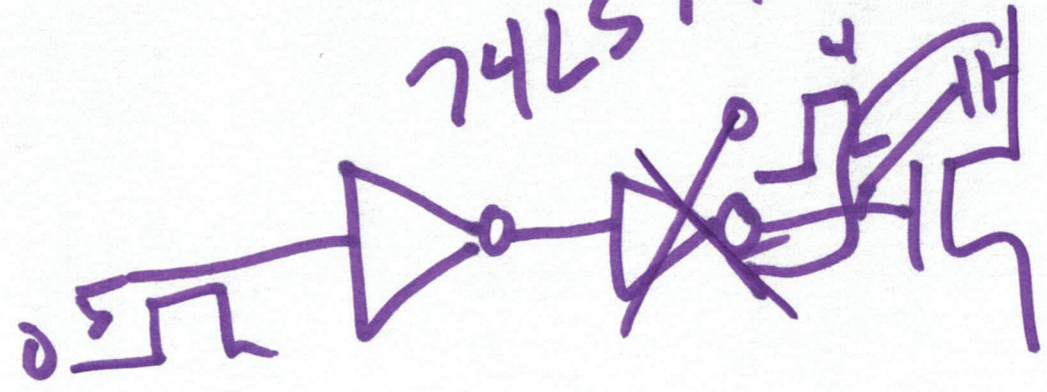


4)

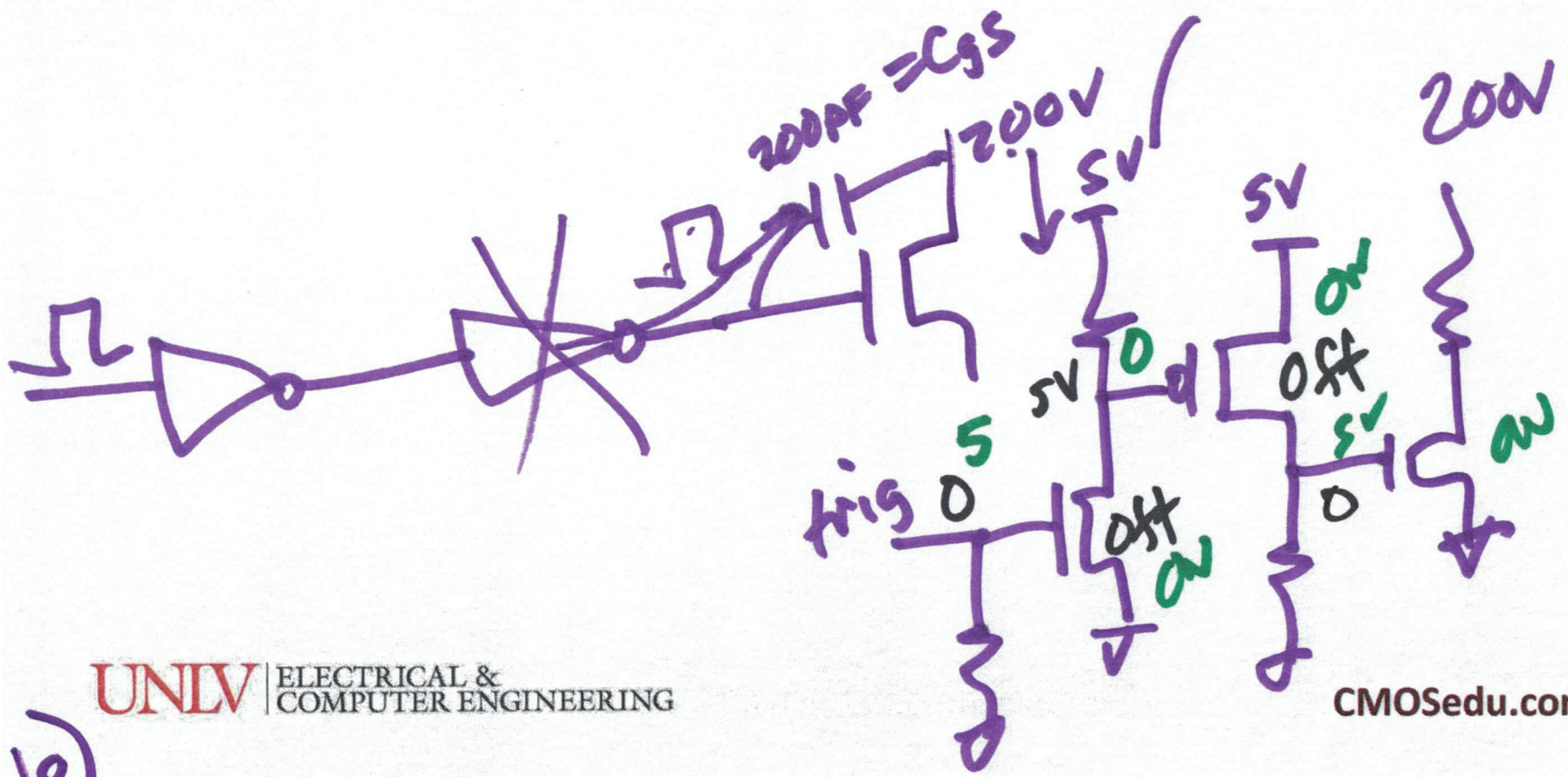


$$I = C \frac{dV}{dt}$$

74LS74 (TTL  
inverters)



BASIC



6)