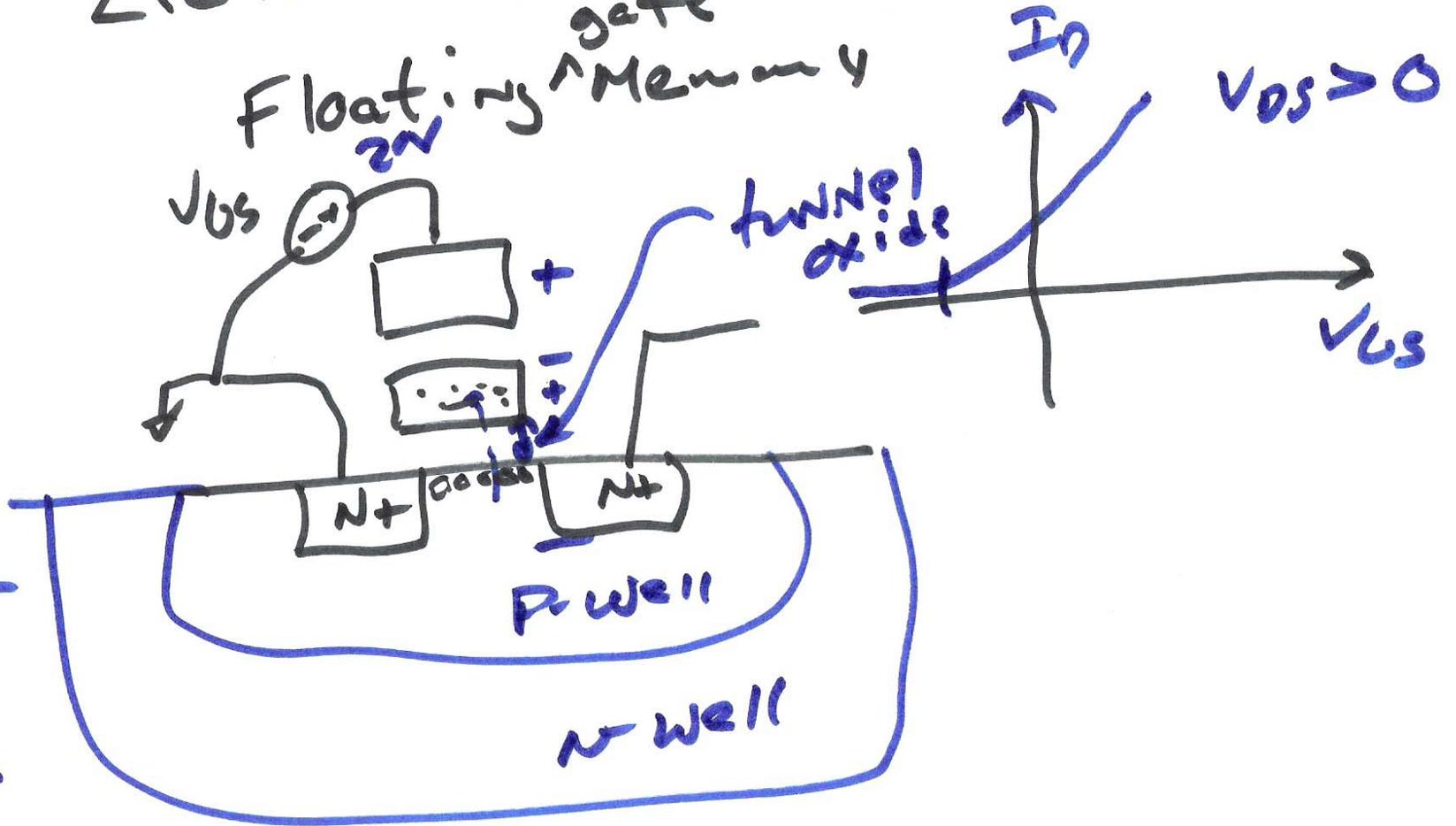


Lecture 12 gate March 2, 2011

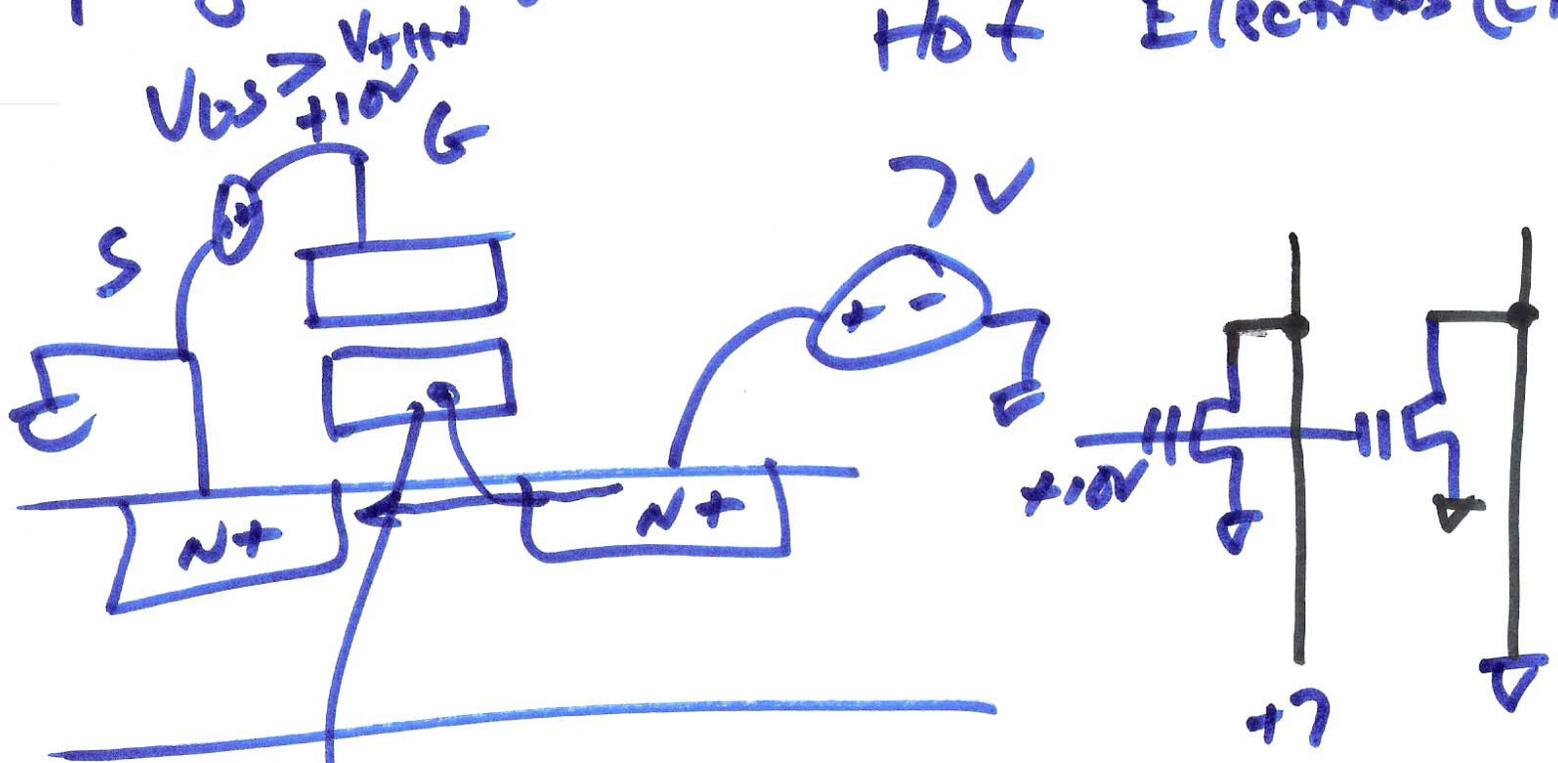
Floating Memory



FNT
AND
prog.
&
ERASING

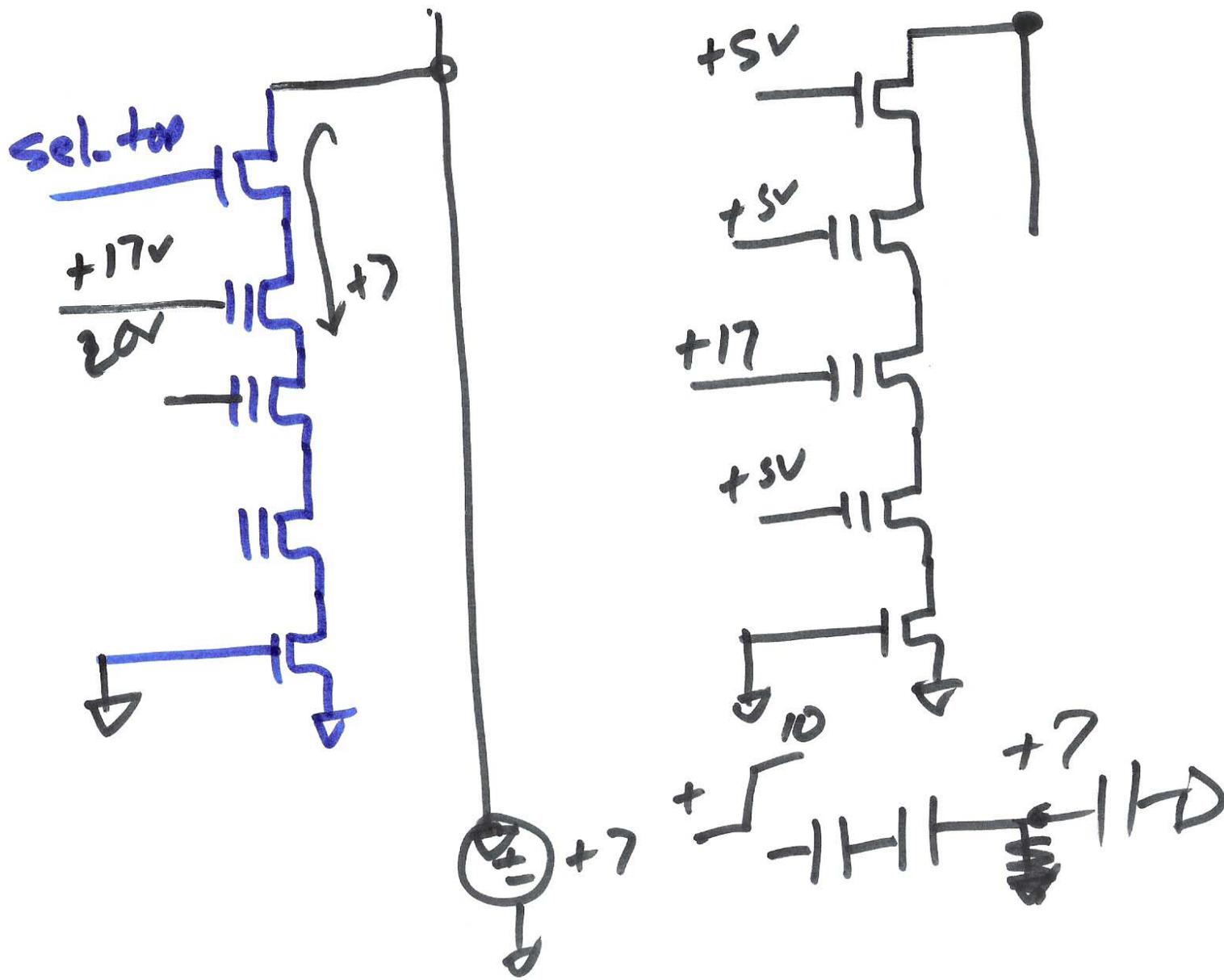
ERASING IN NOR FET

Programming NOR Channel Hot Electrons (CHE)

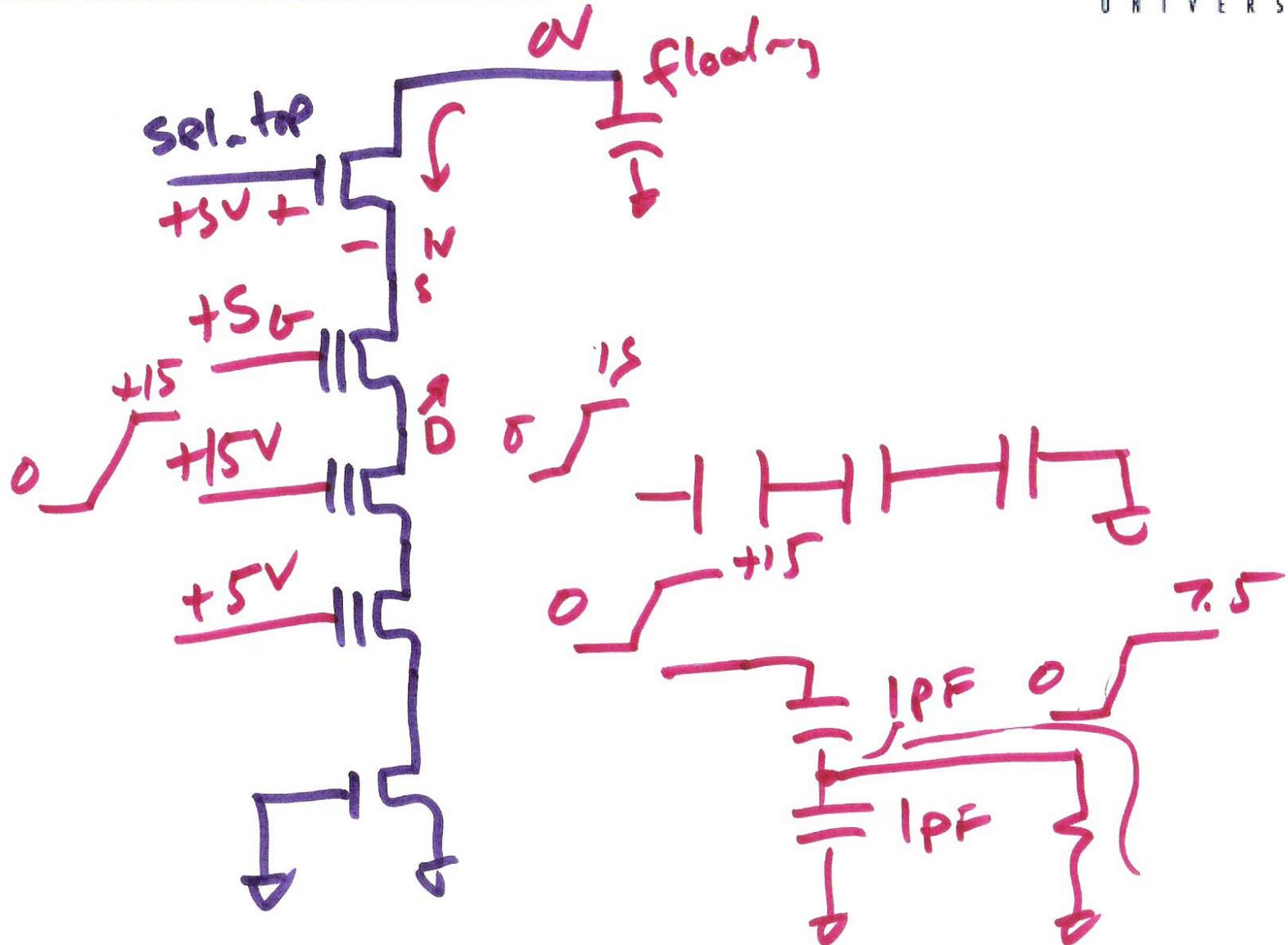


2)

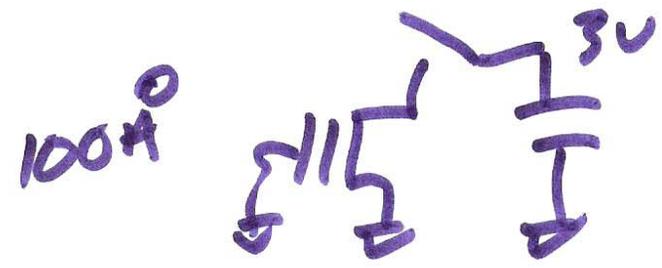
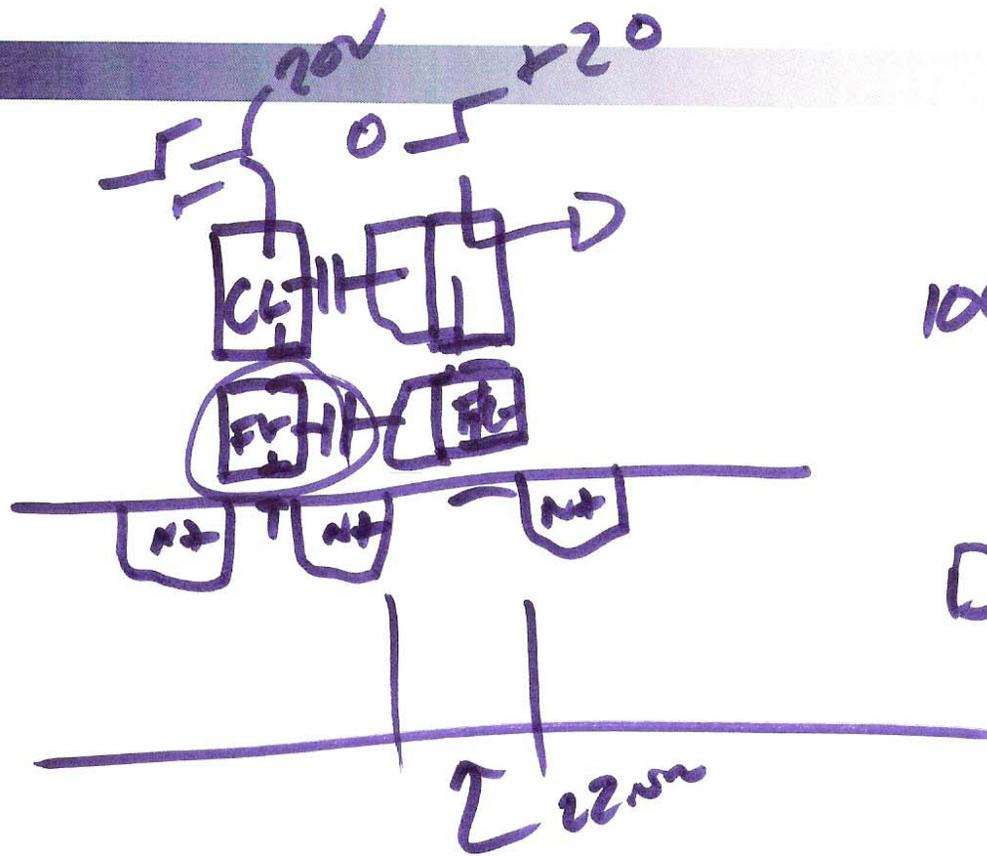
Programming NAND



3)

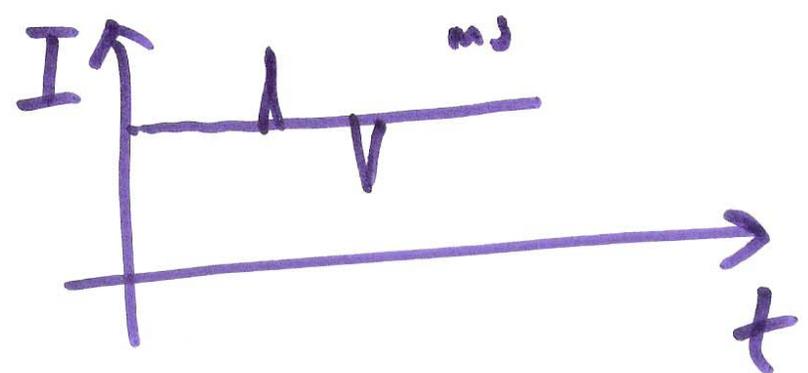


4)



Disturbs

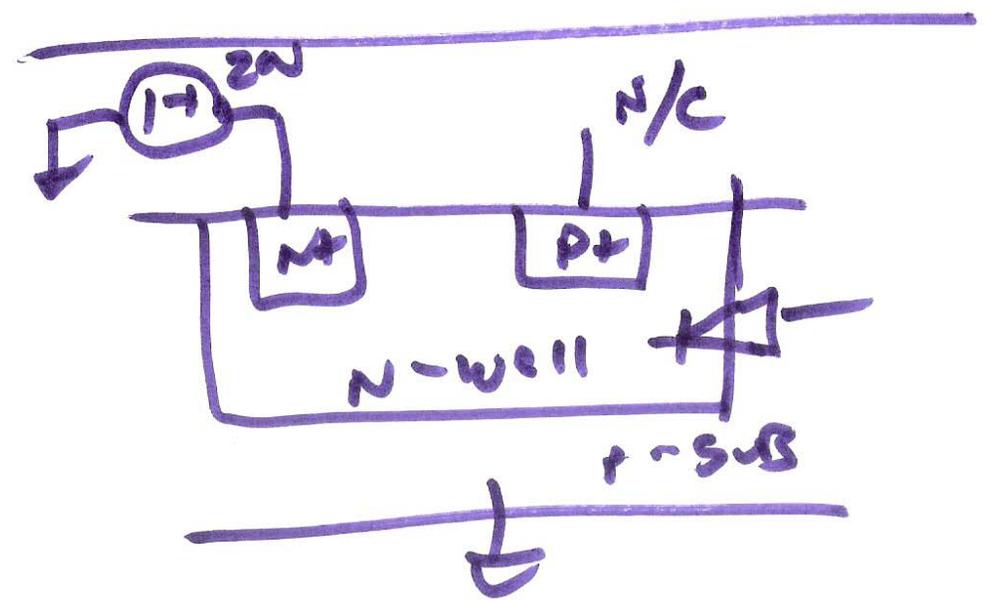
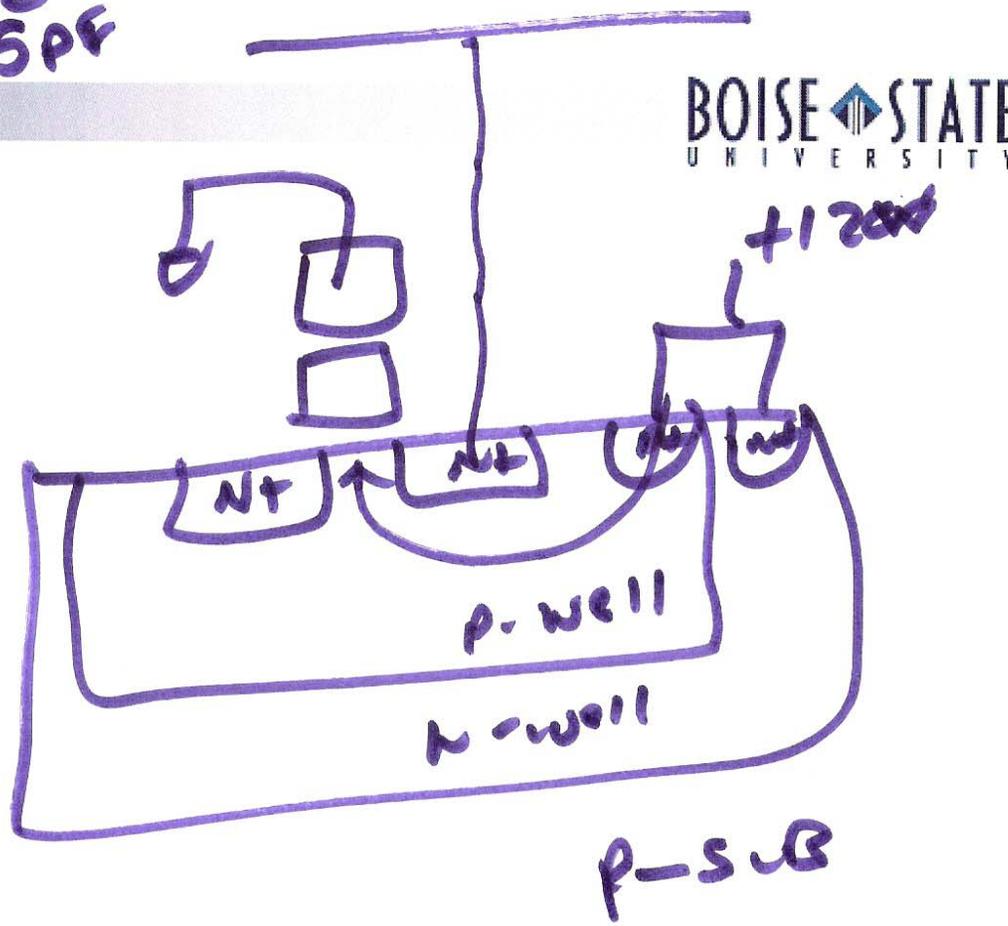
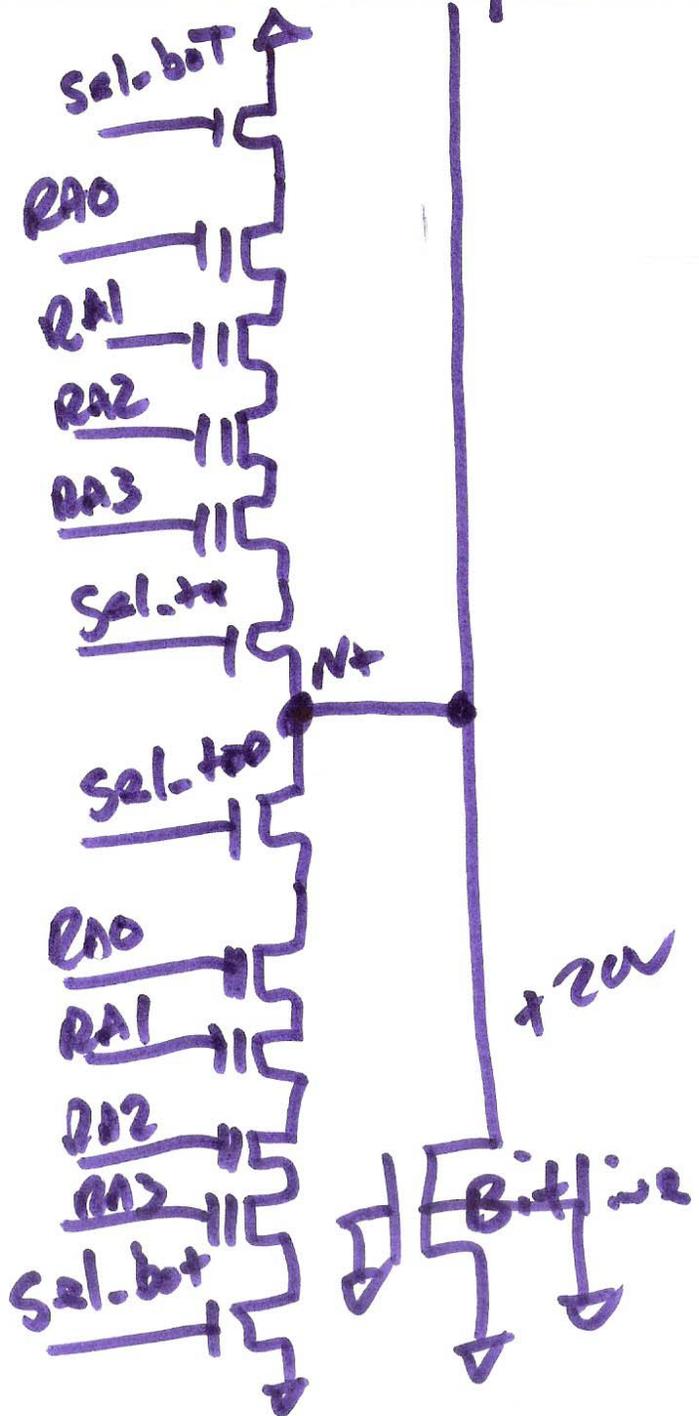
Ranjan telegraph signal noise (RTS)



Burst or Popcorn noise

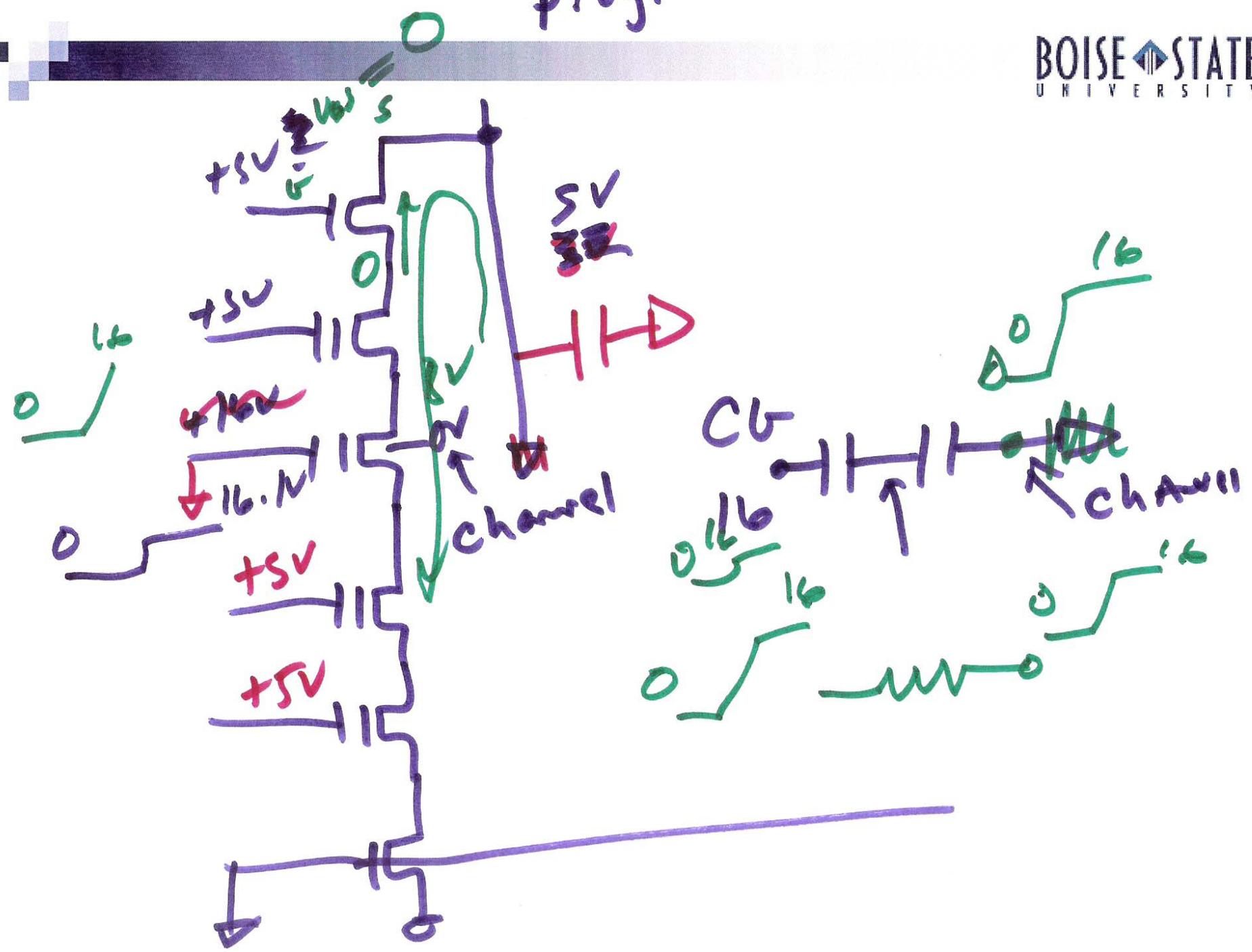
5)

~ 1MΩ SPK

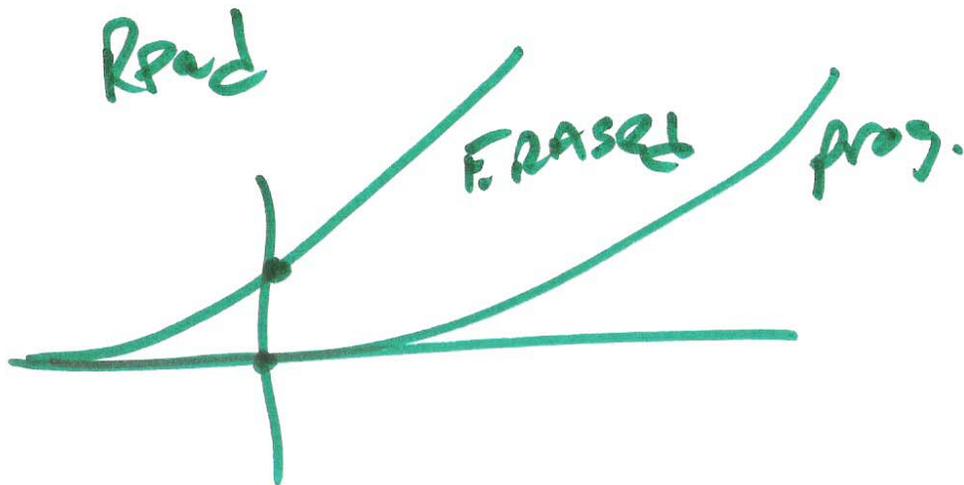
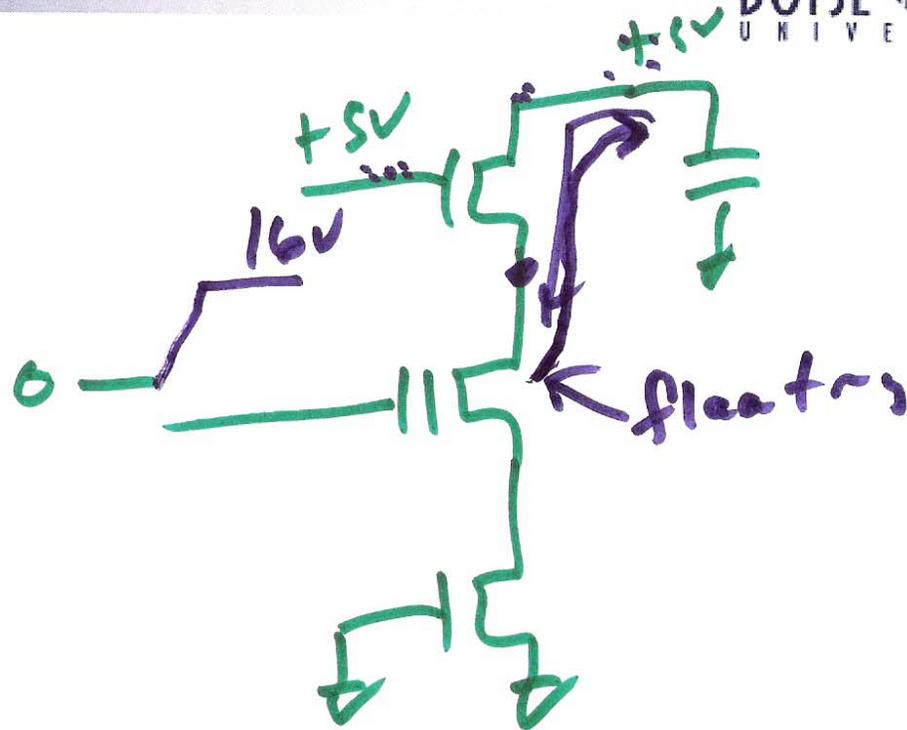
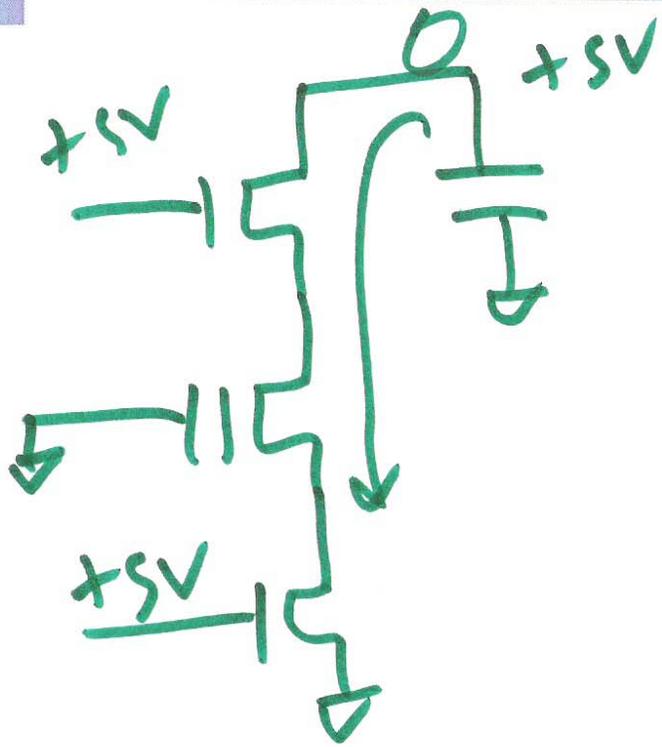


6)

prog.



7)



8)