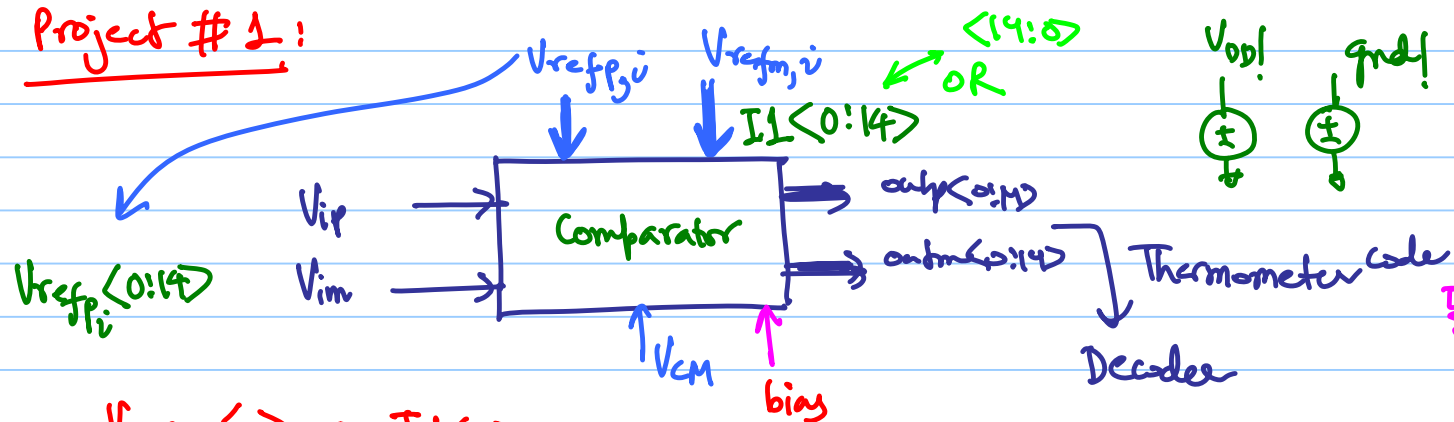


ECE 517 - Lecture 25

Note Title

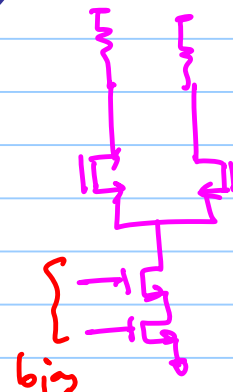
4/18/2017

Project # 1:

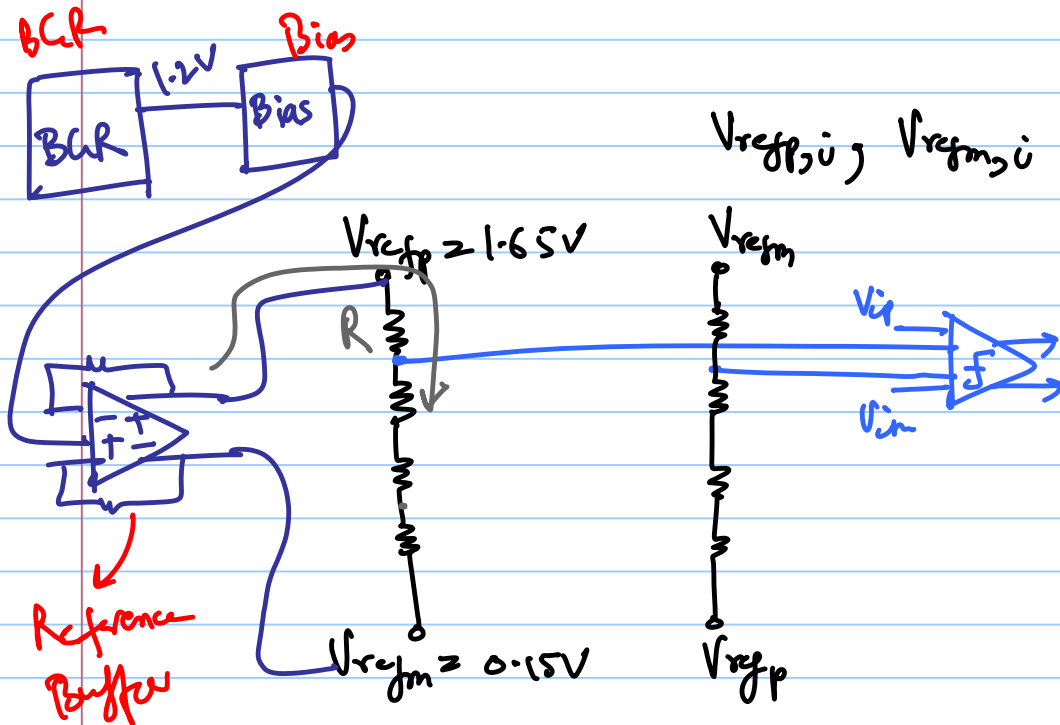


Use Arrays

$V_{refp,i} \langle 0 \rangle \rightarrow I1 \langle 0 \rangle$
:
 $V_{refp,i} \langle 14 \rangle \rightarrow I1 \langle 14 \rangle$

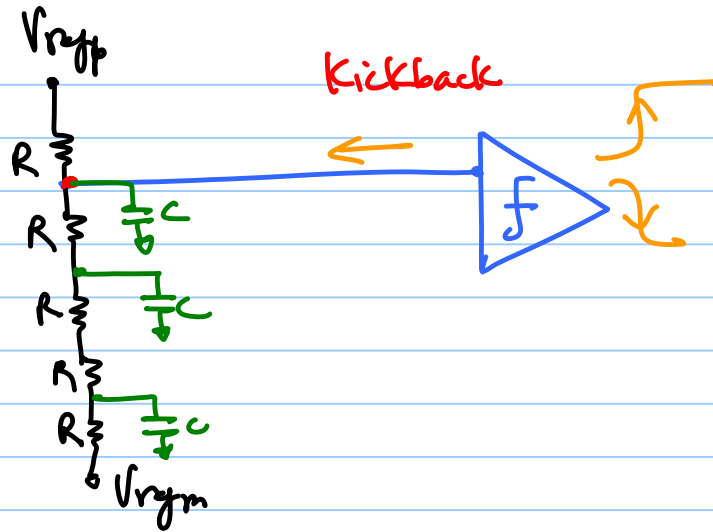
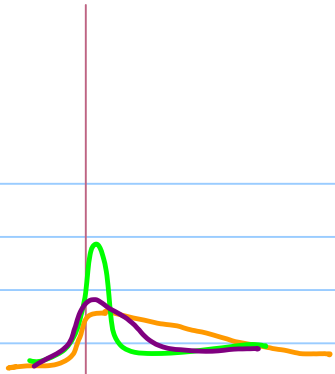


Realistic clocks

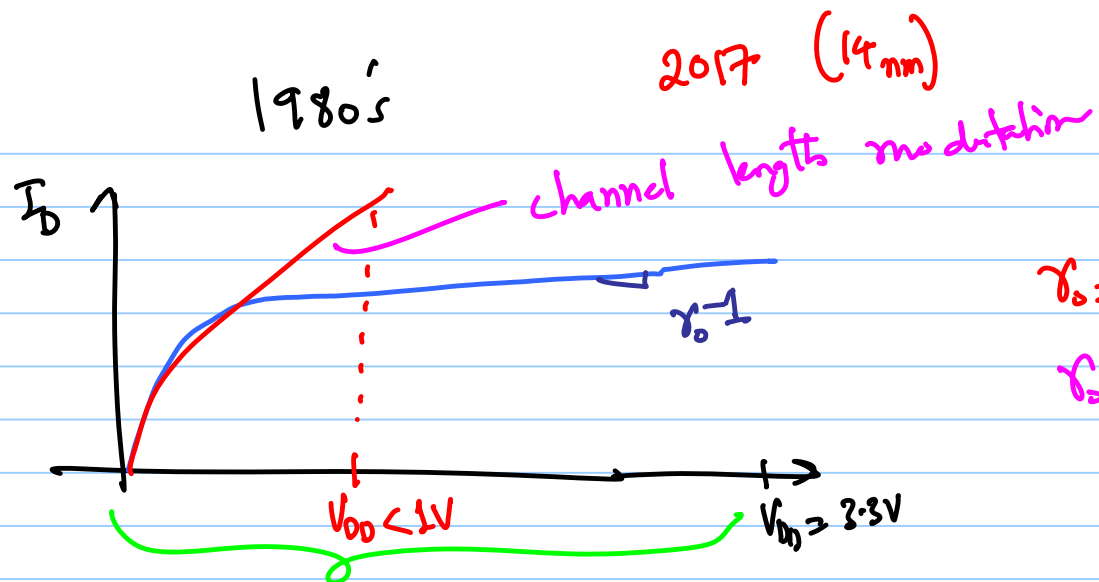


$$R \downarrow \Rightarrow I_{load}$$

keep RP layout



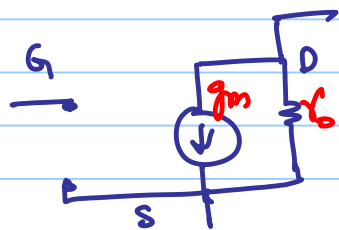
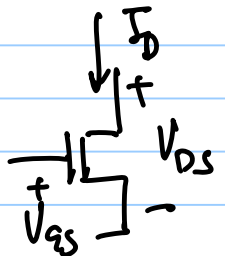
$$\tau = \underline{\underline{RC}} \uparrow$$

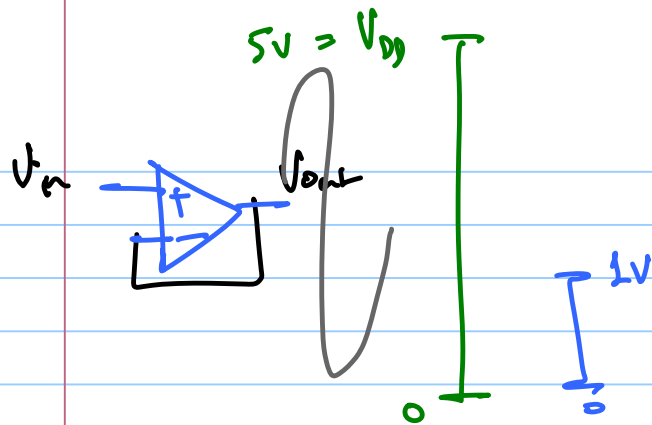


$r_o = \text{slope}^{-1}$

$r_o \downarrow \Rightarrow g_m r_o \downarrow$

u/o





lower headroom

$$f_2 \propto x - \alpha_3 x^3$$

(y) V_{out}

