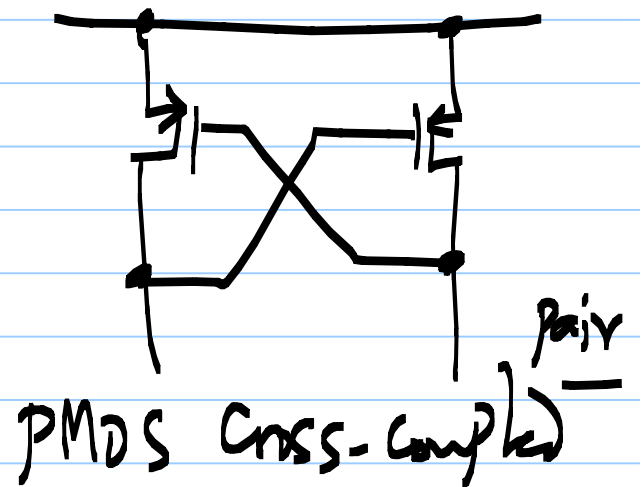
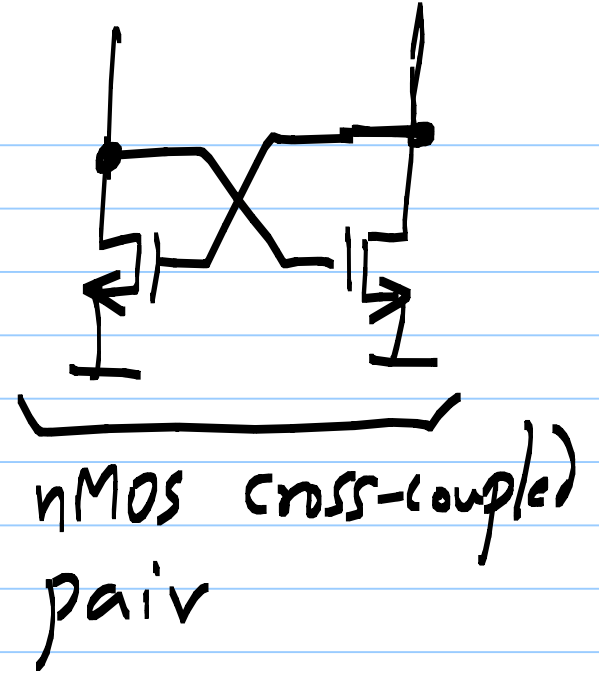
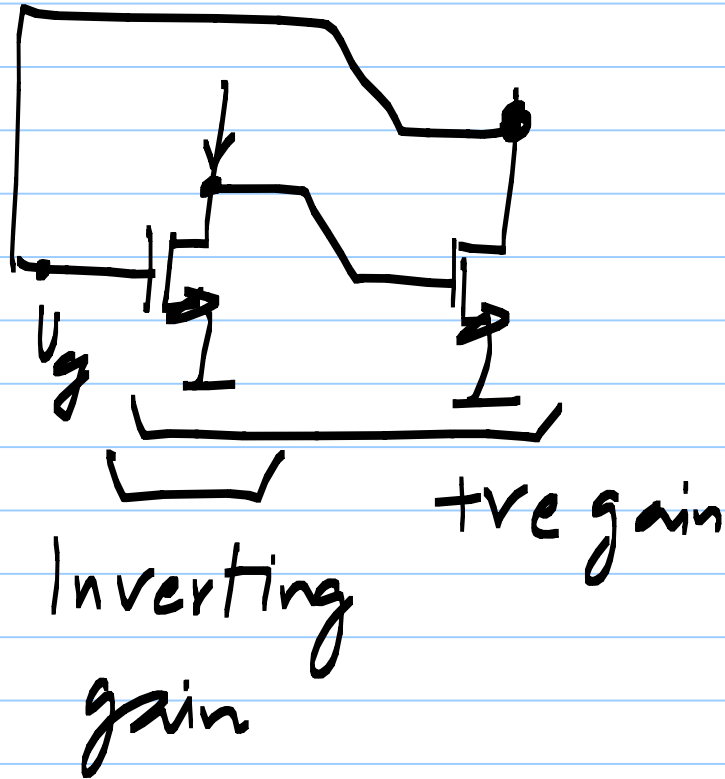
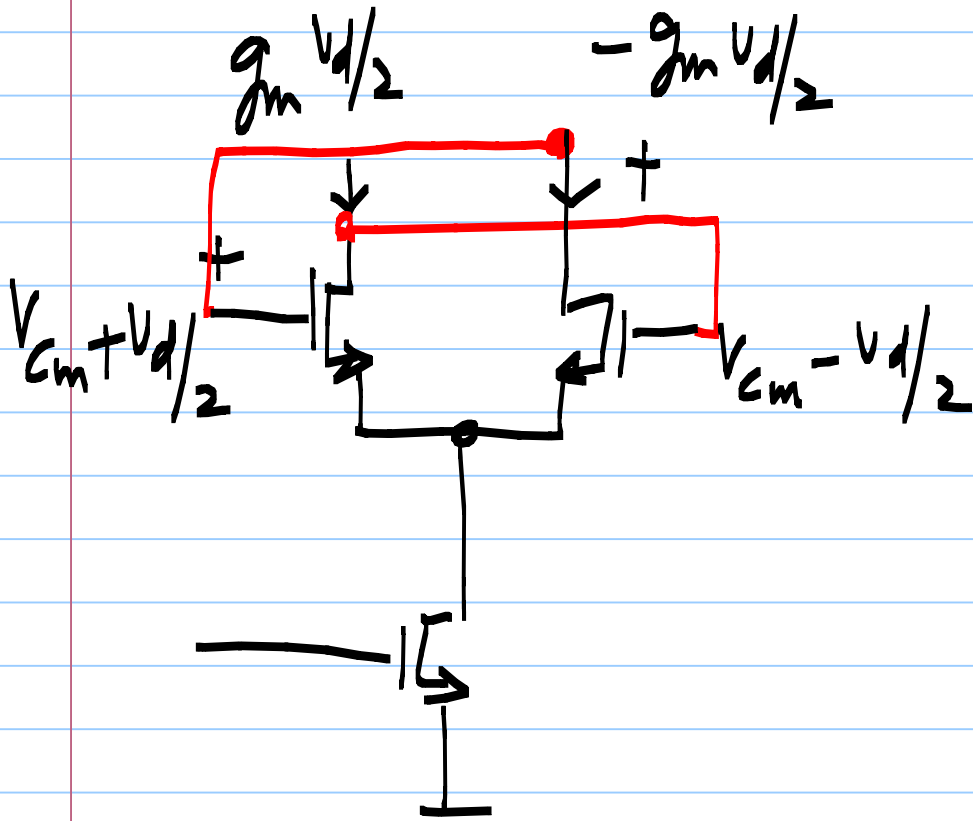
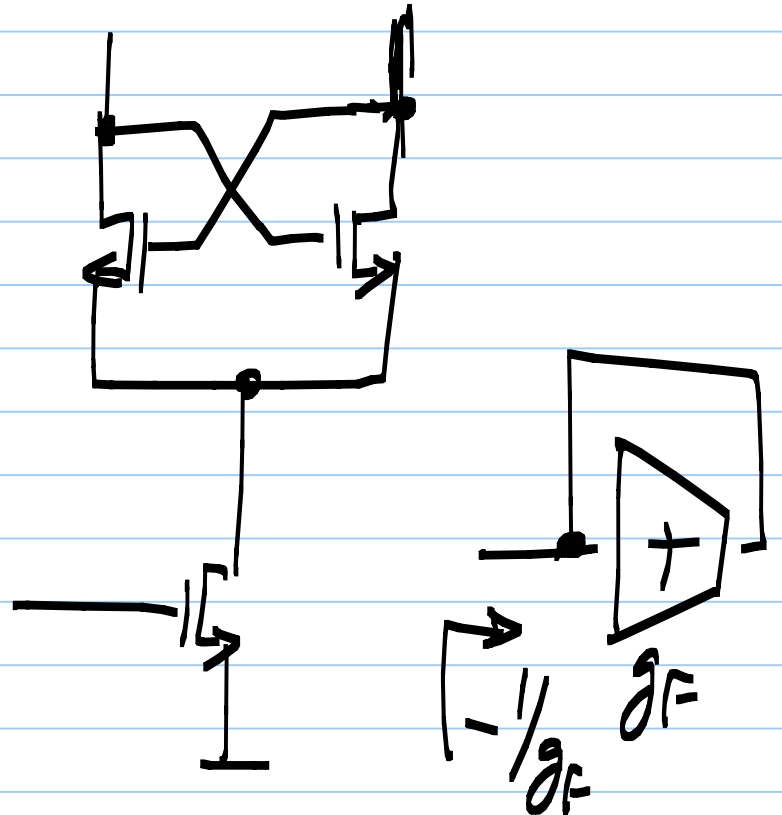


Latch - transconductor in positive feedback



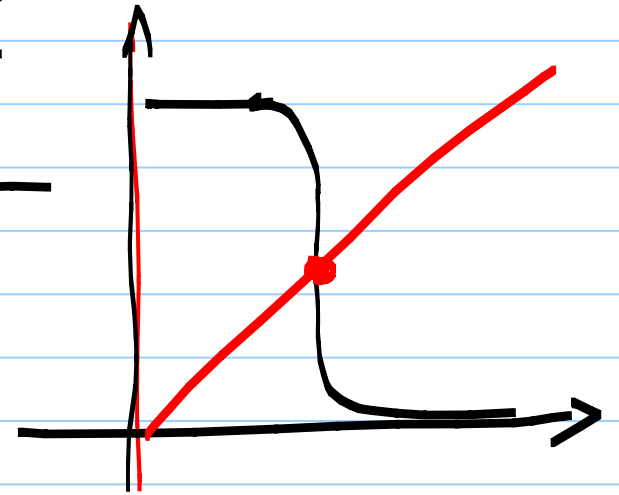
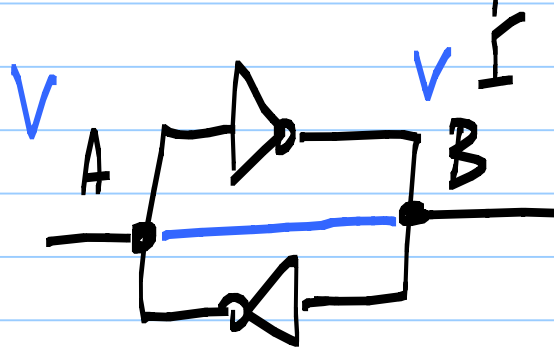
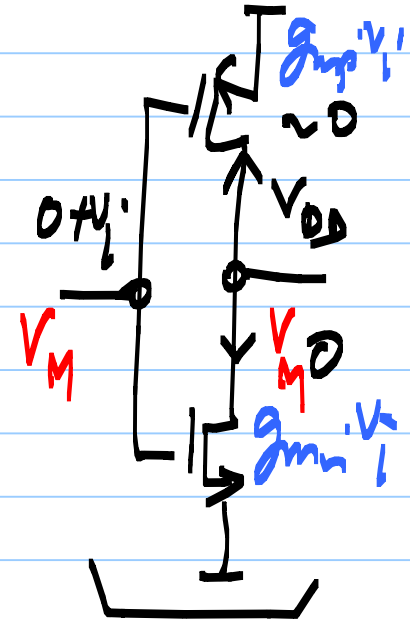
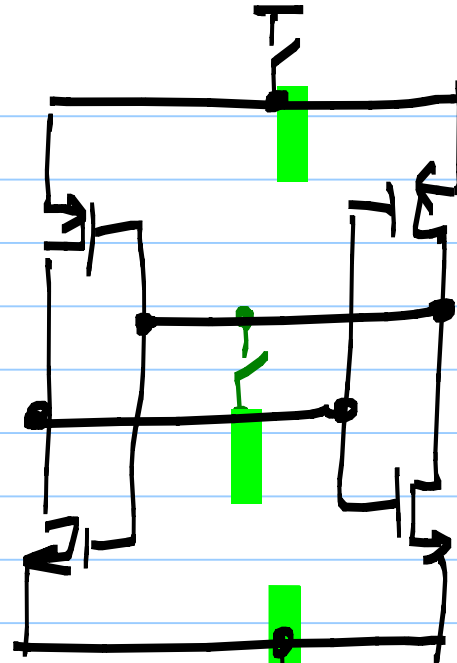
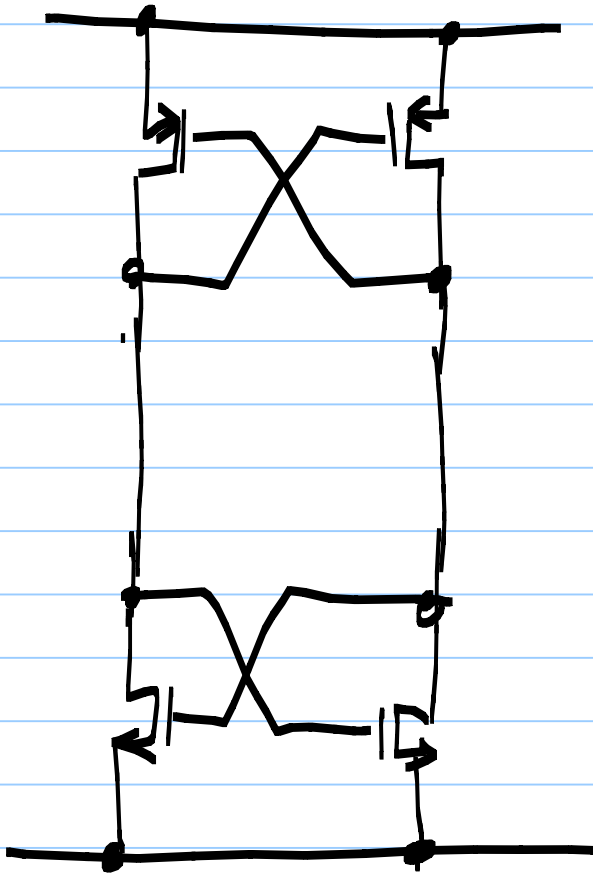


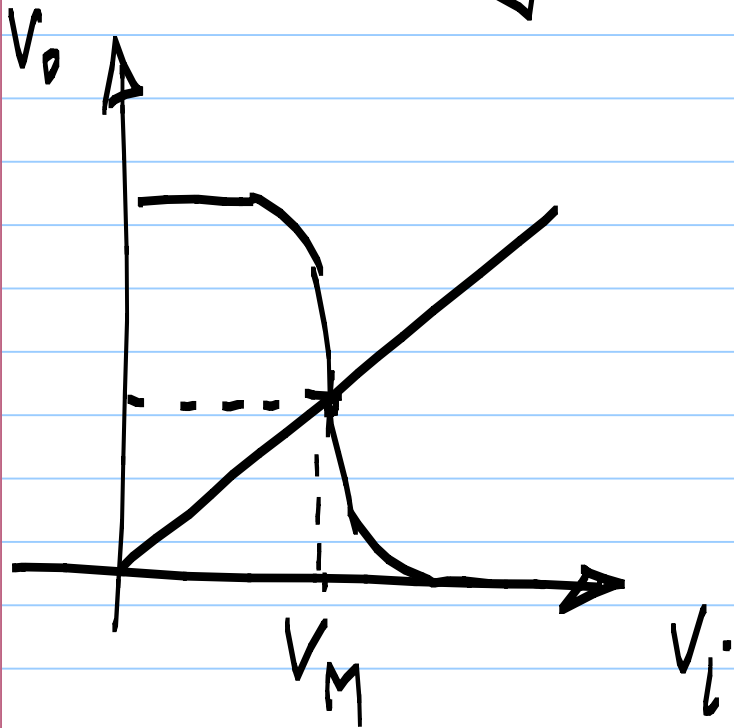
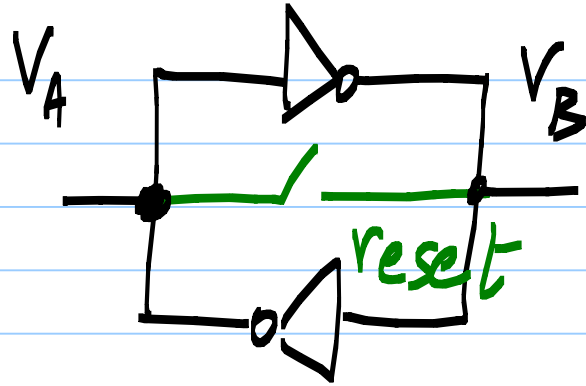
Differential pair
 = transconductor



Diff. pair in the
feedback

Back-to-back inverters

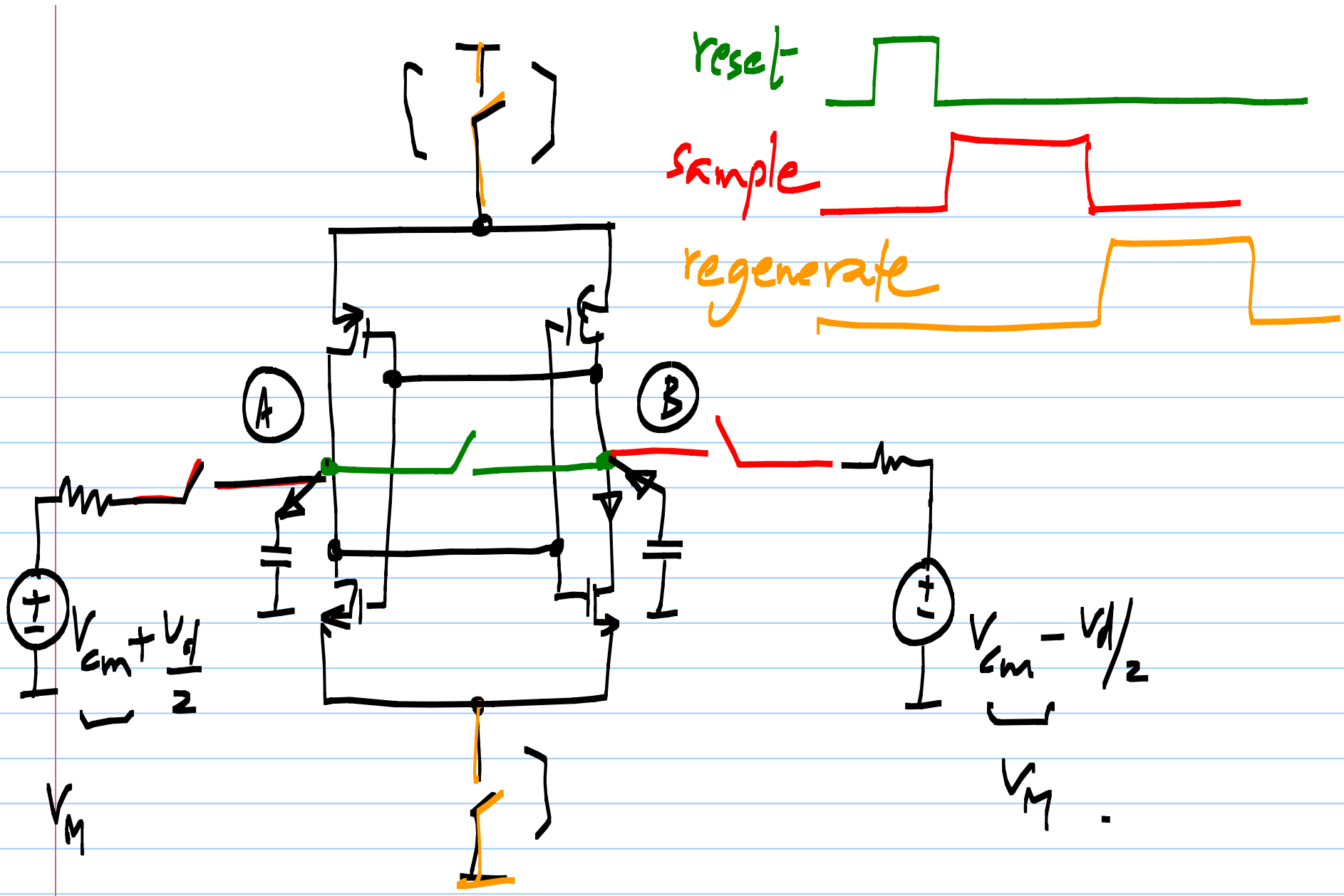




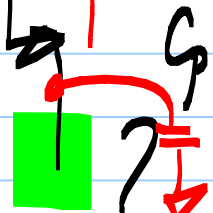
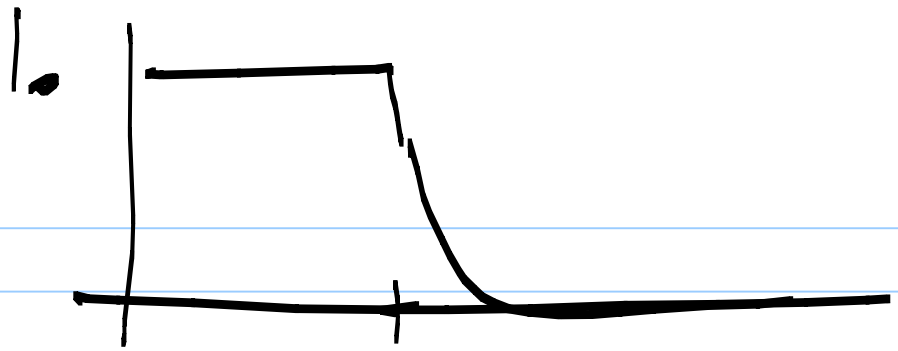
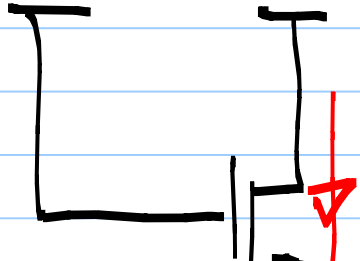
$$V_A, V_B = \left\{ V_{cm} \pm \frac{V_d}{2} \right\}$$

Inverters are in "active" region

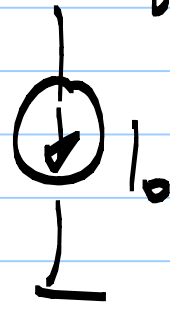
$V_d \propto$ input difference
whose sign is
to be determined



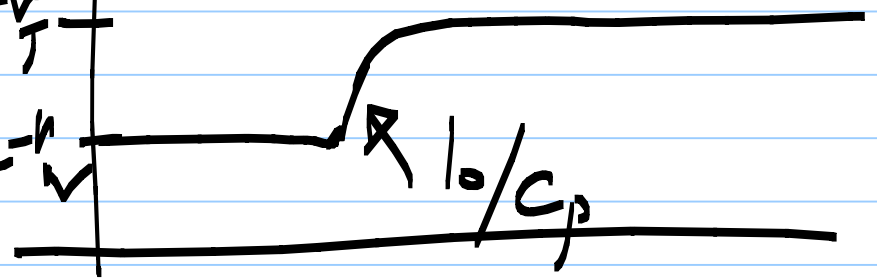
V_{DD}



$$V_{DD} - V_T - \sqrt{\frac{2I_D}{\mu C_{ox} W/L}}$$



$$V_{DD} - V_T$$
$$V_{DD} - V_T - V$$



(A), (B)

