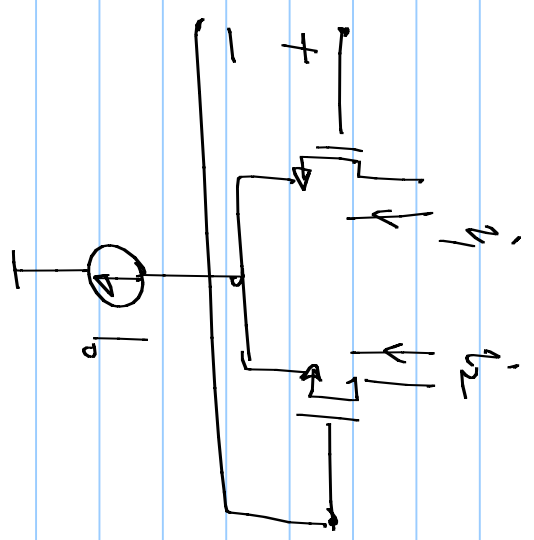
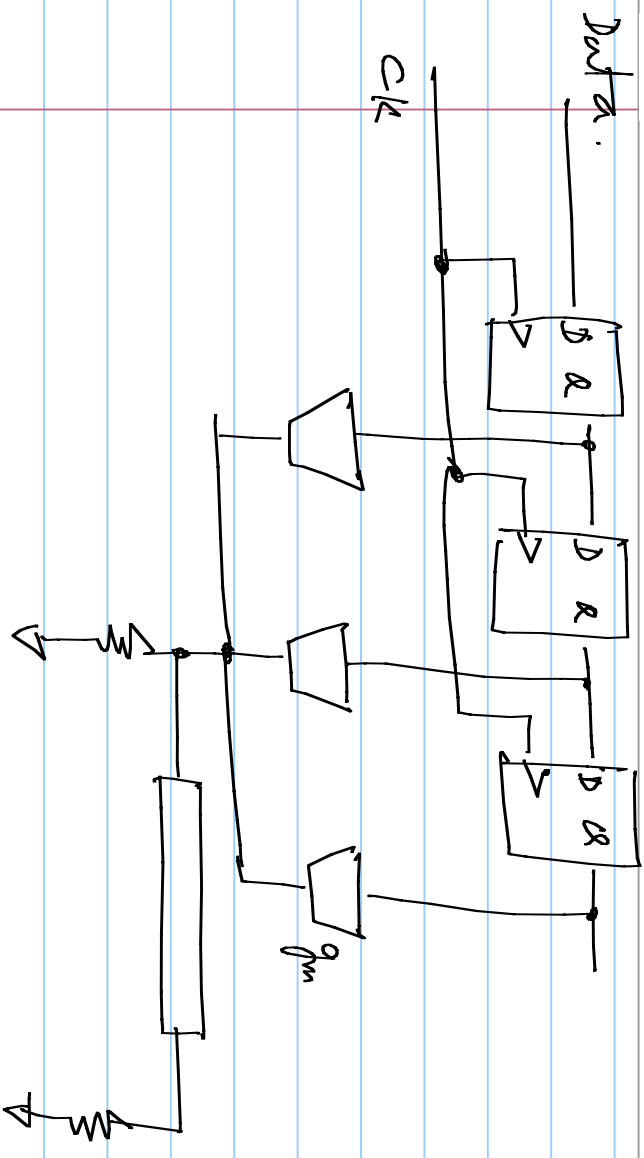


Tx equalizer:

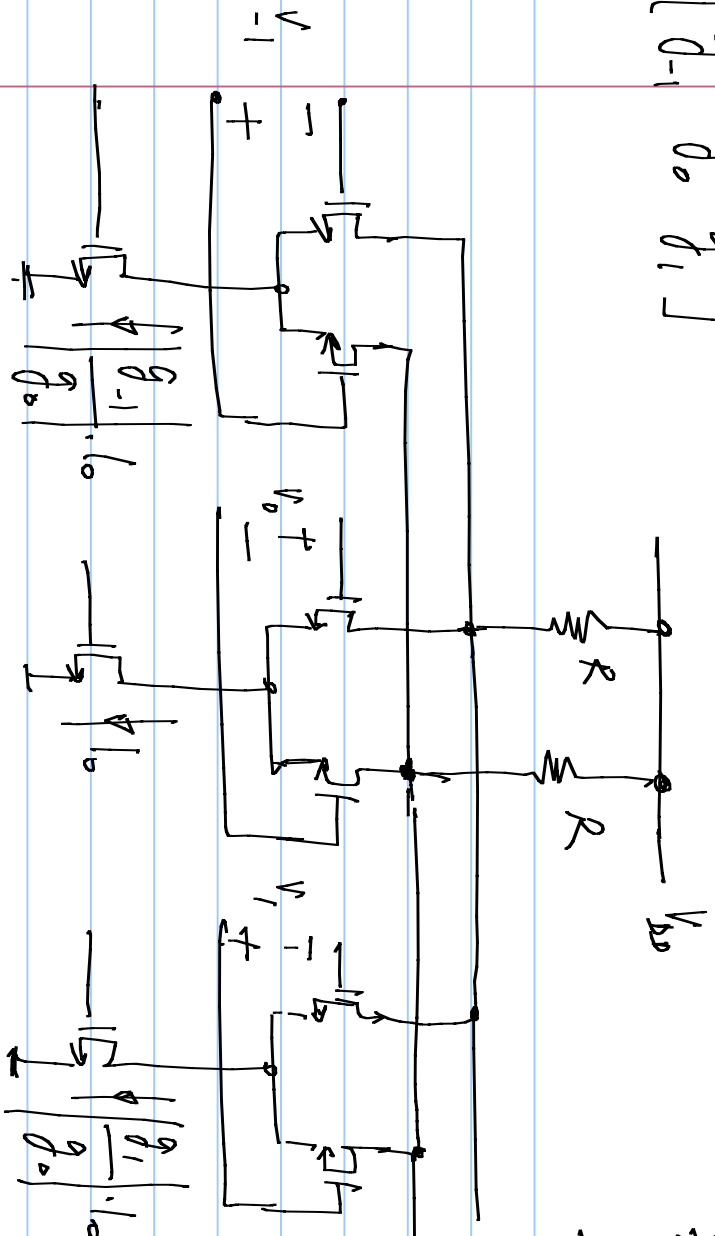
Note Title

g_m = switched current source.

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$[g_{-1} \ g_0 \ g_1]$



- * NMOS @ high freq
- * PMOS : CM level

closer to ground.

[if constrained by R_x]

* $V_{ocm} = V_{DD} -$

$$\frac{Rl_o}{2} \left(1 + \left| \frac{g_{-1}}{g_0} \right| + \left| \frac{g_1}{g_0} \right| \right)$$

$$V_{out} = l_o R \left[\frac{g_{-1}}{g_0} x[n+1] + x[n] + \frac{g_1}{g_0} x[n-1] \right]$$

* V_{ocm} can be increased
 (to keep transistors in saturation)
 by reducing $l_o R$

Worse receive SNR

⇐ but smaller swing

