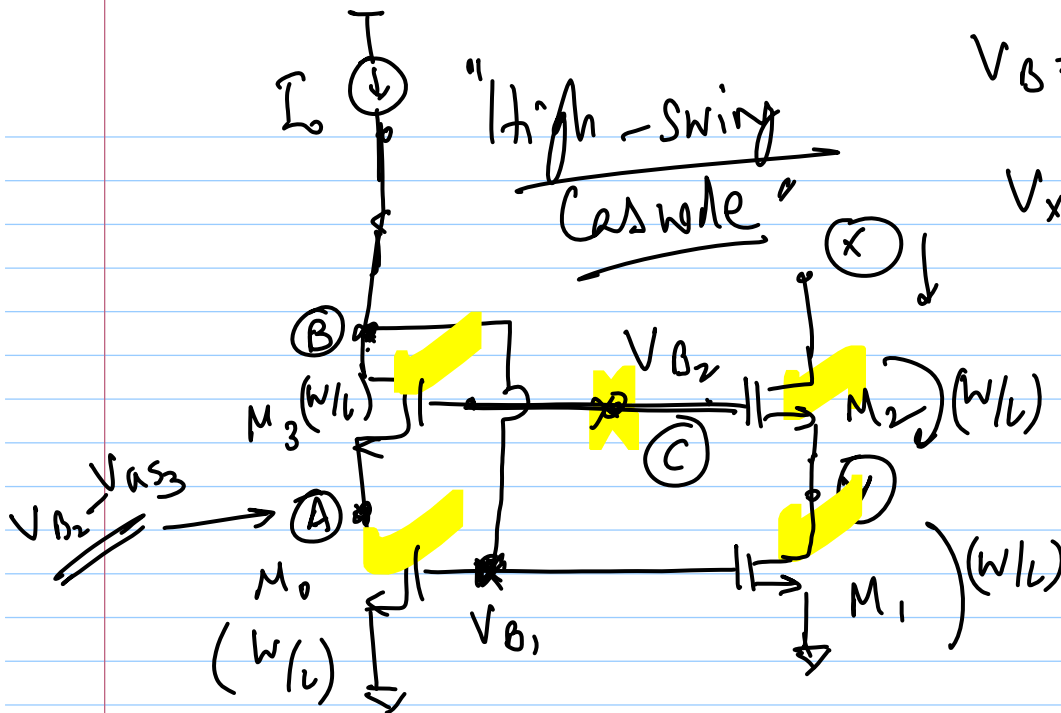


Lec 7


$$V_{x_{min}} = V_B - V_T$$
$$\sim V_T + 2V_{DSAT}$$
$$\sim (0.7V) \rightarrow (0.2)$$
$$V_{DD} \sim 2V$$
$$V_T \sim 0.5V$$
$$V_{DSAT} \sim 0.1V$$

make $V_A = V_{DSAT} \sim 0.1V$

$$V_{b_2} = V_T + 2V_{DSAT}$$

$$V_{B_2} = V_A + V_{AS_3}$$

$$= V_{DSAT} + V_T + V_{DSAT}$$

$$V_A = V_{DSAT}$$

$$V_{B_2} = V_T + 2V_{DSAT}$$

$$V_B = V_T + V_{DSAT}$$

$$V_{DS_0} = V_{DSAT}$$

$$V_{DS_3} = V_T$$

