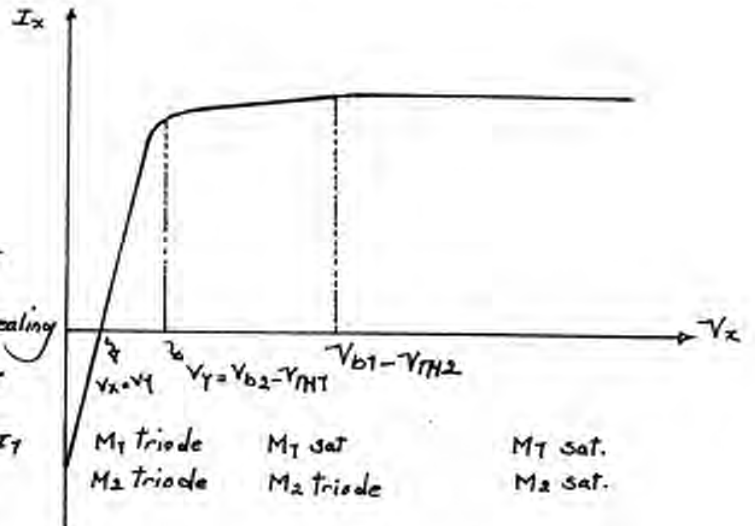


we assume $V_{b1} > V_{b2}$ and both M_1 and M_2 operate in saturation region if $V_x = V_{DD}$



Below V_x , for which $V_x = V_y$, drain current of M_2 flows in opposite direction, revealing the fact the drain and source terminals of M_2 are reversed. As expected, most of I_1 flow through M_2 when $V_x = 0$, because we assume that $V_{b1} > V_{b2}$.

