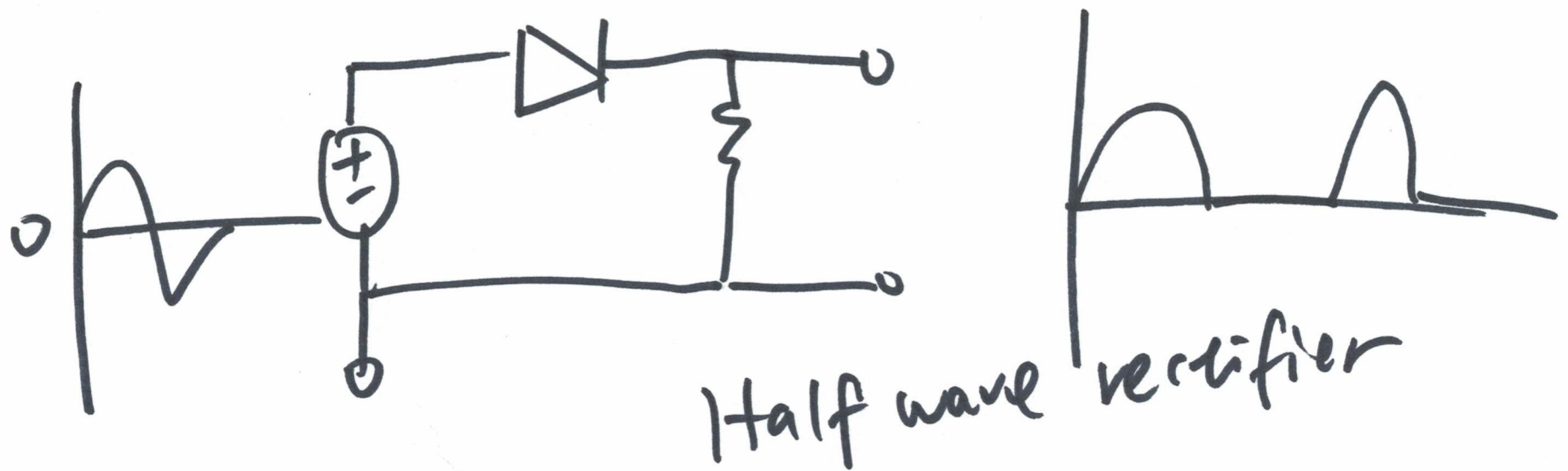
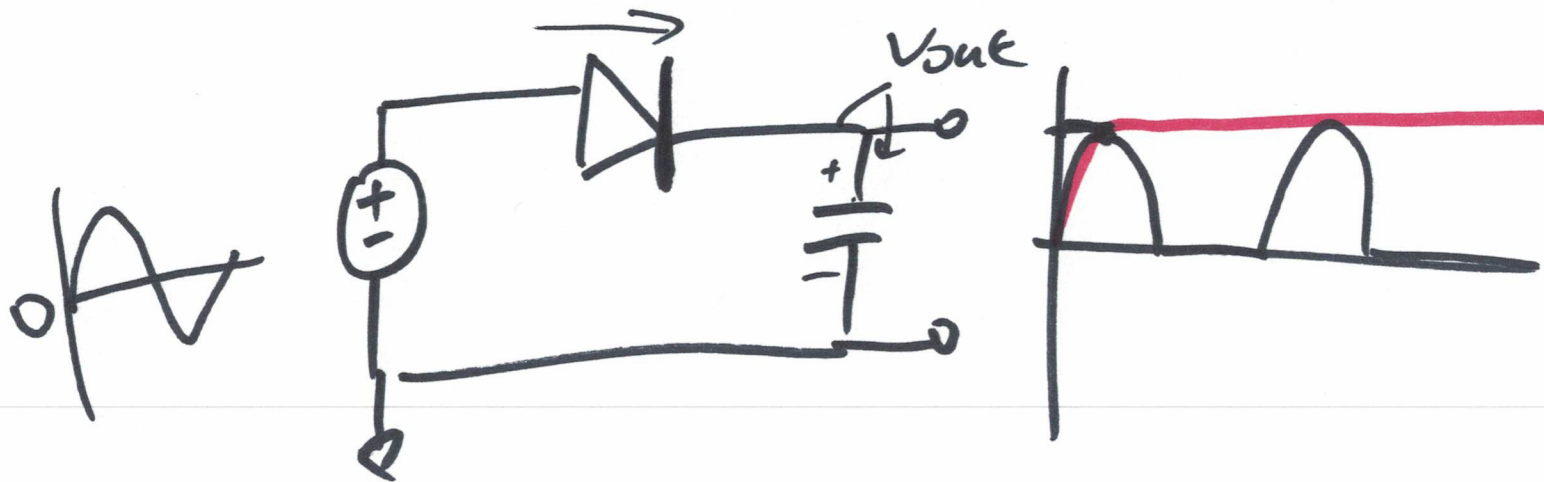
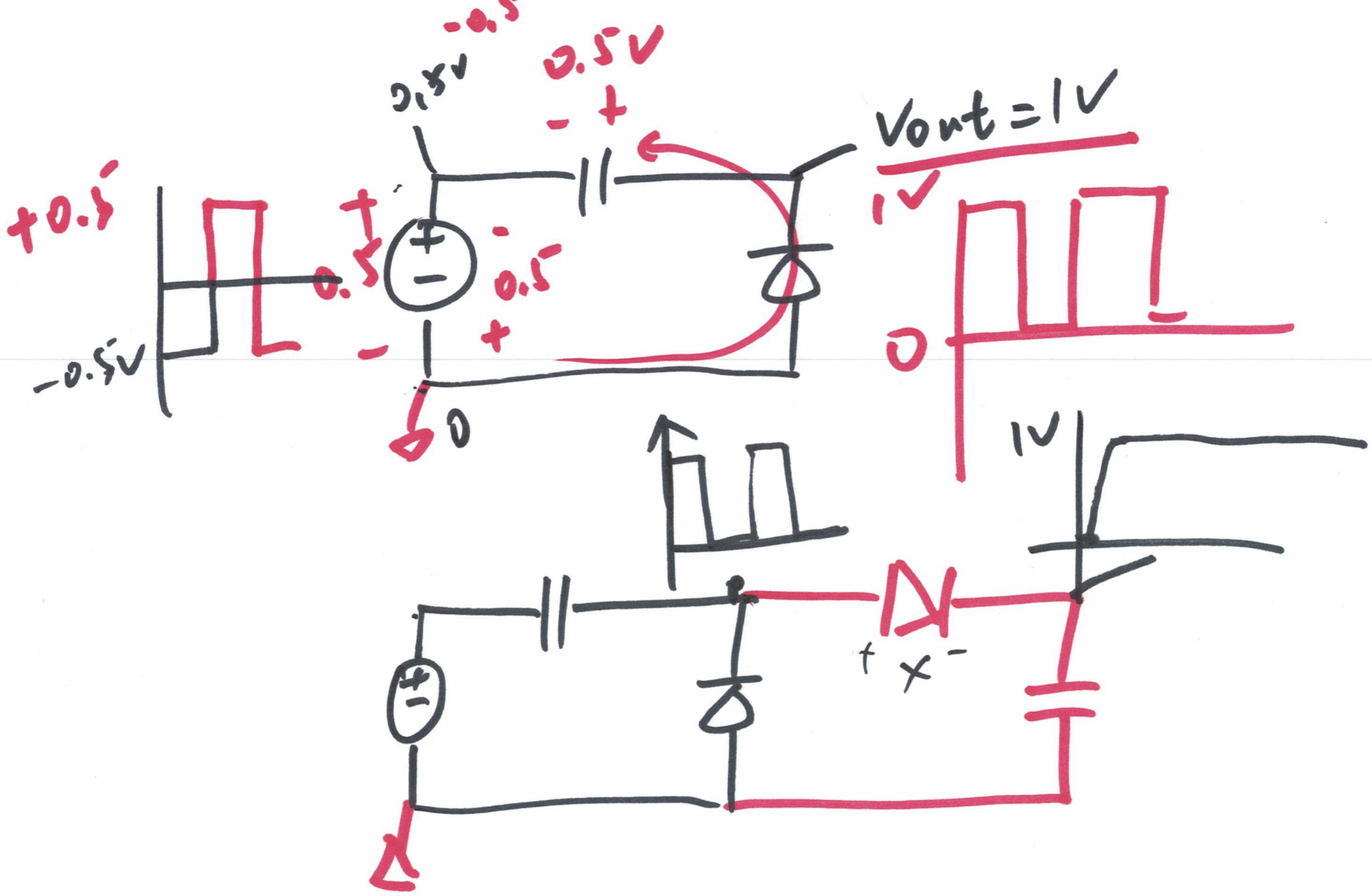
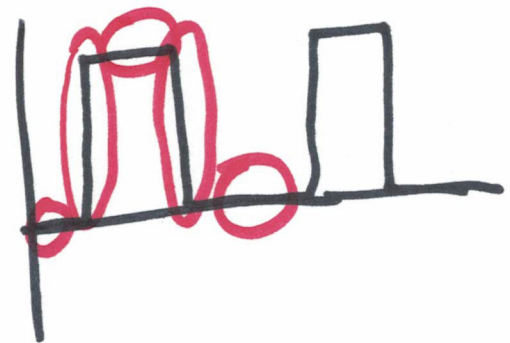
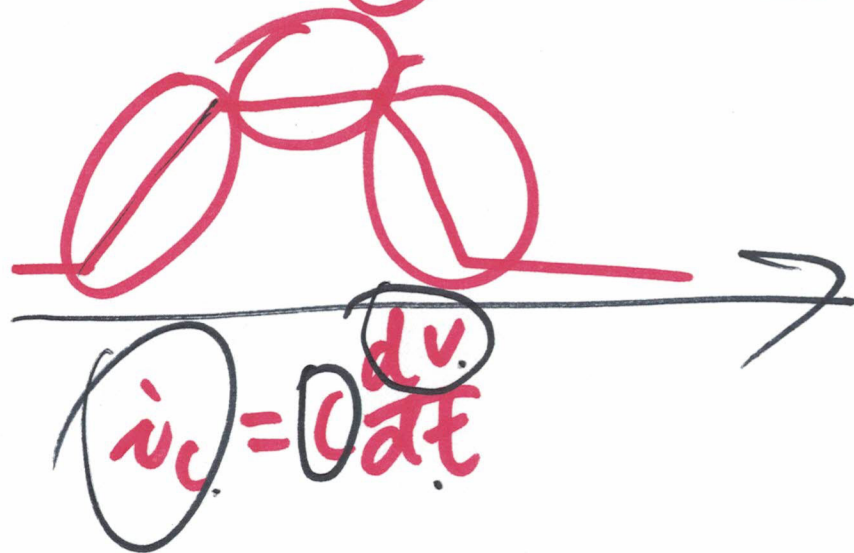
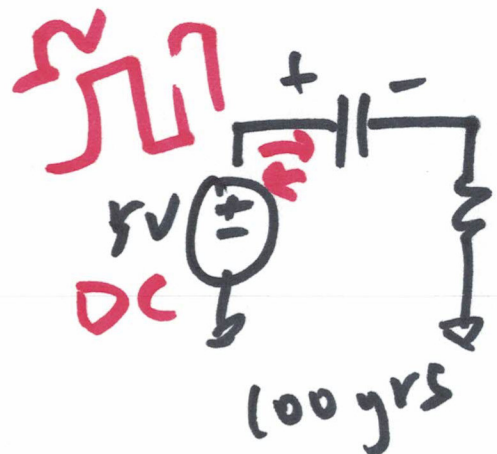
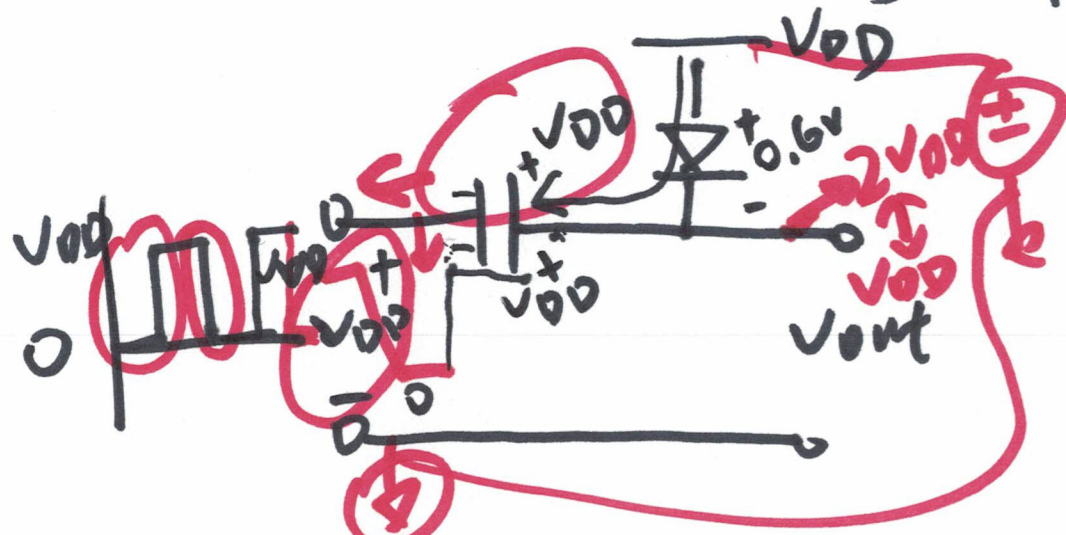


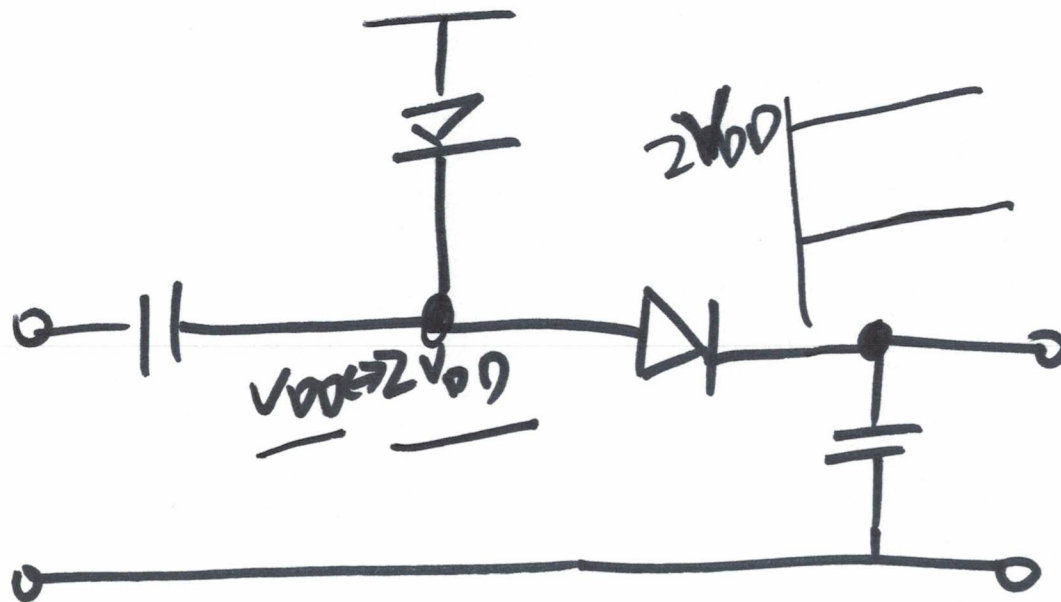




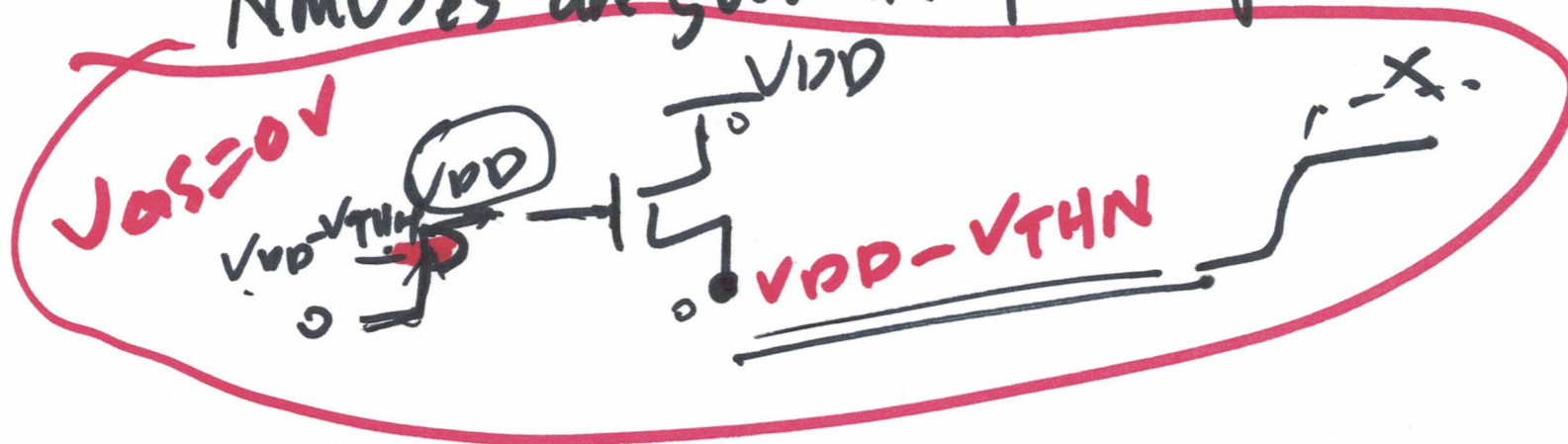
(2)

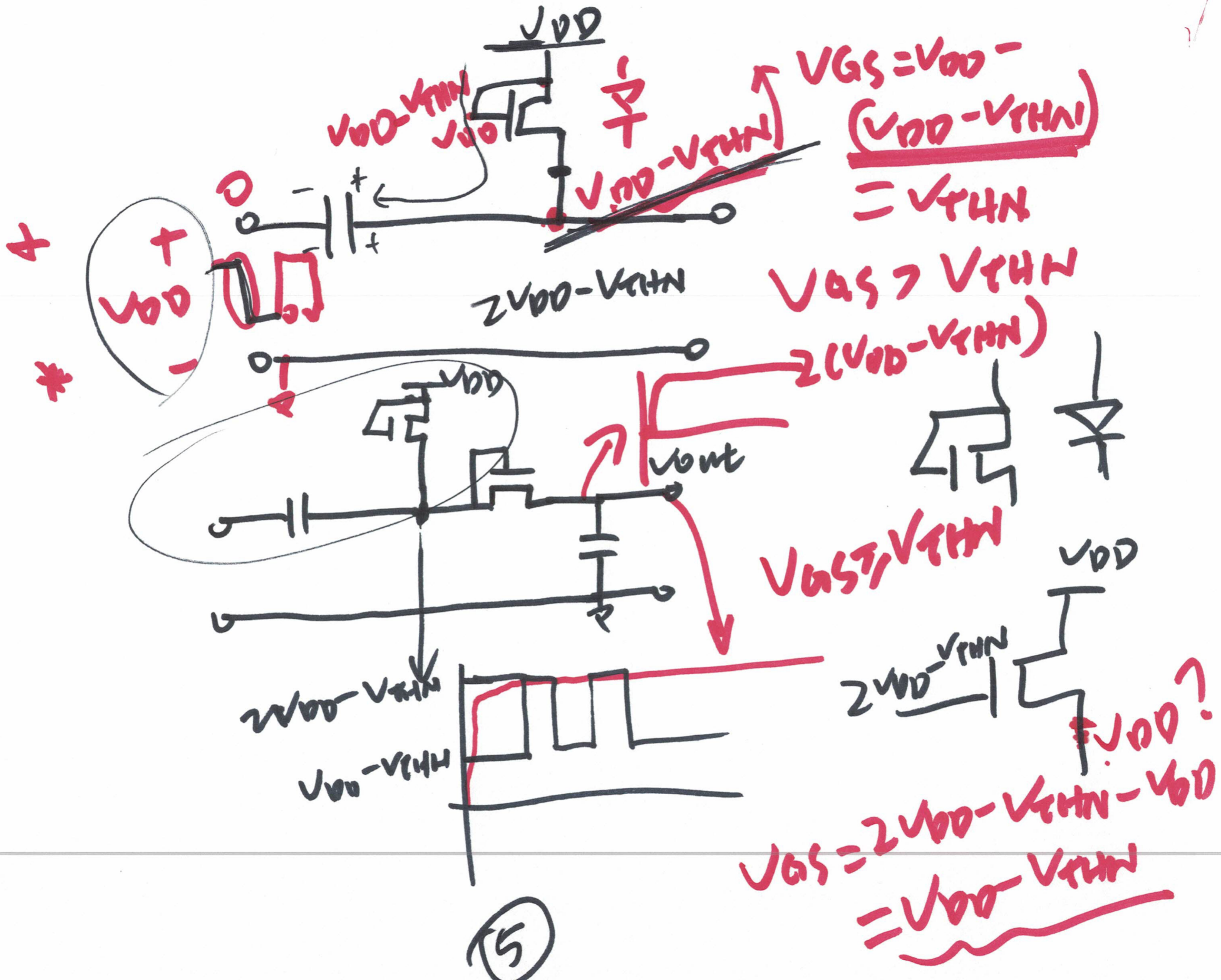
The charge pump

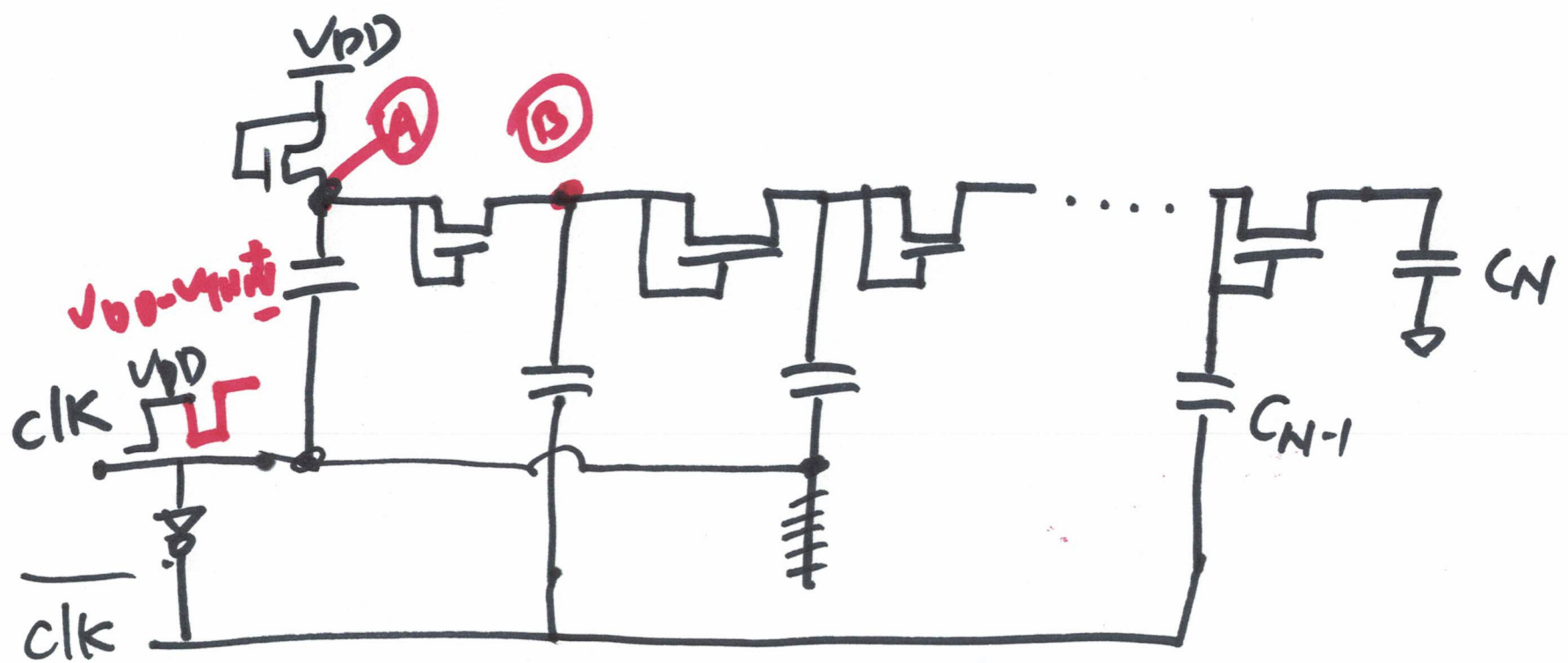




NMOSes are good at passing 0's







(A) $V_{DD} - V_{THN} \leftrightarrow 2V_{DD} - V_{THN}$

↓ (B) $2V_{DD} - 2V_{THN} \leftrightarrow 3V_{DD} - 2V_{THN}$

Dickson's charge Pump

(b)