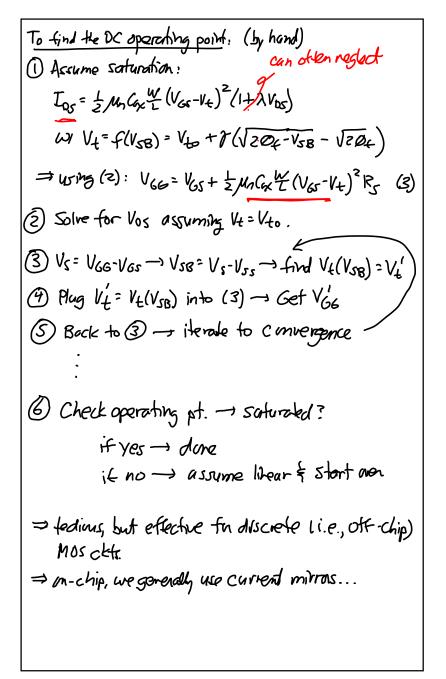
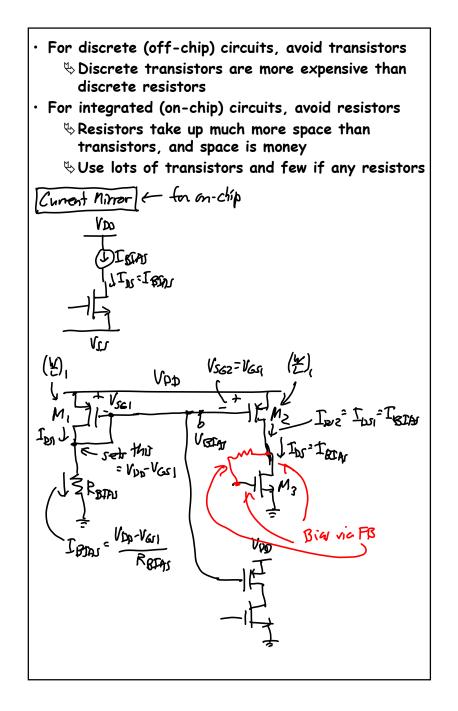
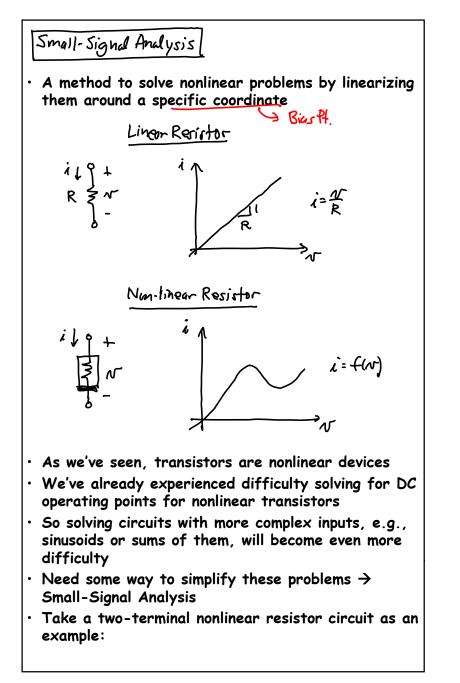


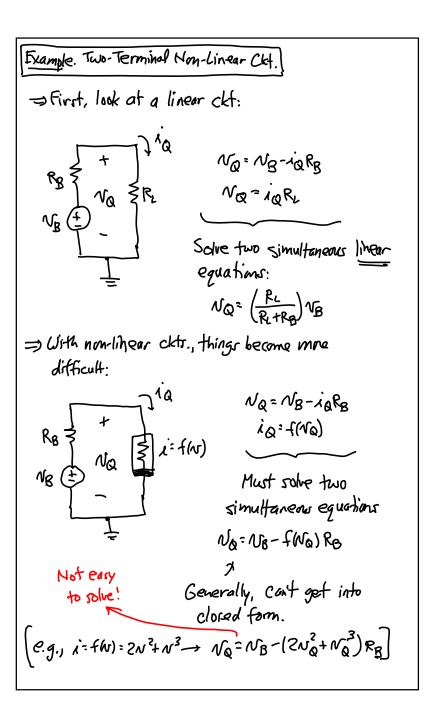
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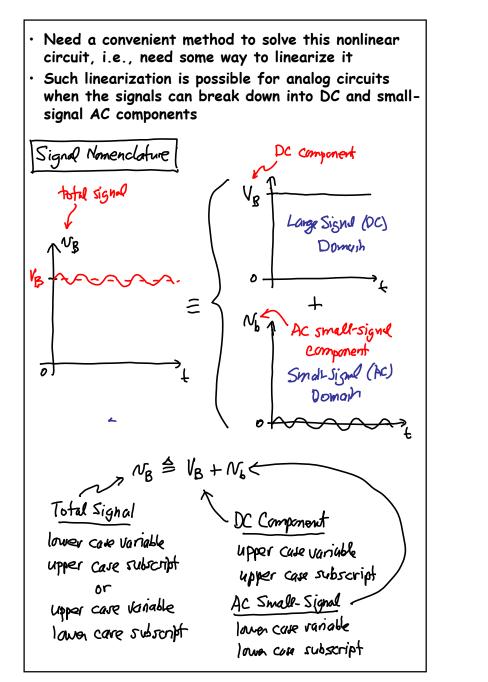
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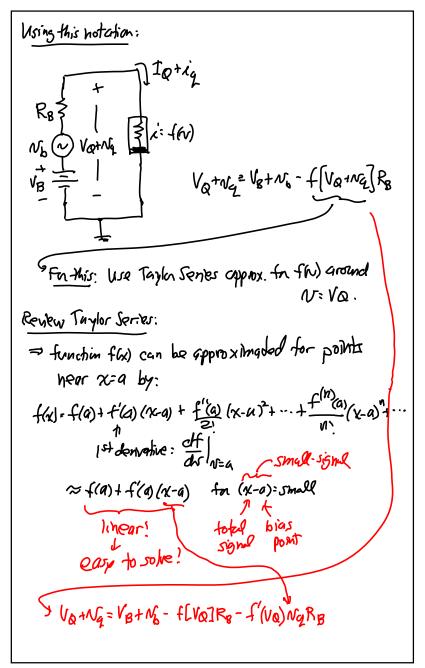












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 $V_{Q} + N_{Q} = V_{B} + N_{b} - I_{Q}R_{B} - \frac{R_{B}}{R_{SS}}N_{Q}$  T  $F_{reluate}$   $n_{cm}/n_{cm}$  fer  $R_{SS} = \frac{1}{2f} = \frac{S}{resistance}$   $I_{Q} = f(V_{Q})$  T