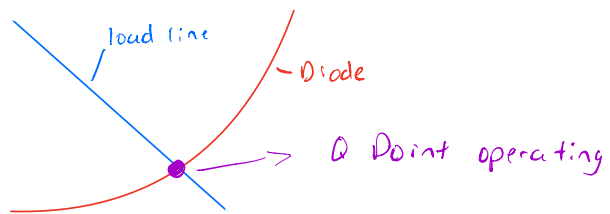
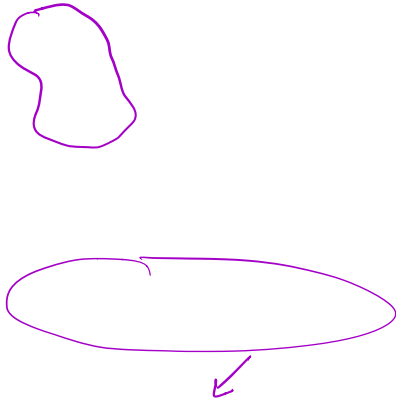


$$\left. \begin{aligned} I_D &= I_s \exp \left(\frac{V_D}{V_T} \right) \\ I_D &= \frac{V_{DD} - V_D}{R} \end{aligned} \right\} \text{most accurate model}$$





NOT Fun ...

Constant Drop Model

Constant Drop

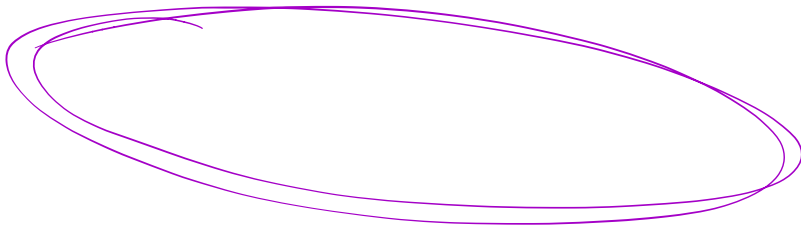
Ideal Model

Iterative model

exp
model

ideal
model

Constant
Drop



Example lecture

Apply:

Ideal

Constant Drop: 0.7 V

Exponential model

