

• Forward Bias!


• Highly Dependent on temp

$$V_T = 0.025 \text{ V} = 25 \text{ mV} \rightarrow \text{Room temp.}$$



Example:

D_1
 D_2
 D_3



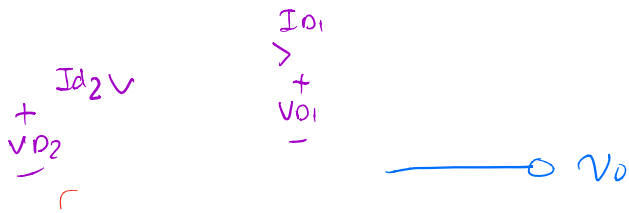
Change in output
Voltage?

Diodes are matched and operating in
FBR. Design R such that:



(active convention)

Forward Bias Example



$$D_2 \rightarrow I_s$$

$$D_1 \rightarrow 10I_s$$

Saturation or
Scale.



2
8

b)