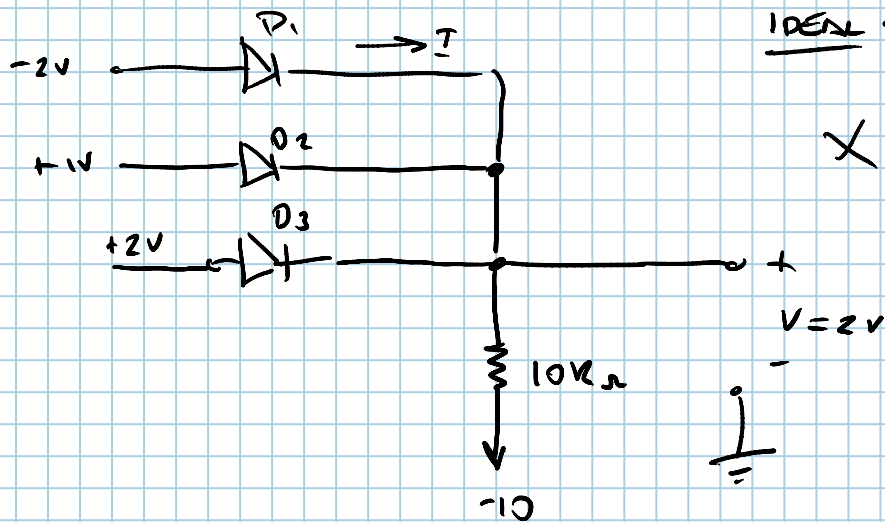


QUIZ #3 REVIEW



IDENT DIODES ($V_D = 0V$)

X - IF D_1 IS FWD BIASD

$$V = -2V$$

→ D_2 IS FWD BIASD.
+ $V = +1V$

→ D_3 IS FWD BIASD

INCORRECT ASSUMPTION

X - IF D_2 IS FWD. BIASD:

$V = +1V$, D_1 IS REV. BIASD

$$\rightarrow I = 0$$

→ D_3 IS F.B.

∴ $V = +2V \Rightarrow$ PROBLEM!!

- IF D_3 IS F.B.:

D_2 IS R.B. ✓

D_1 IS R.B. ✓

$$\rightarrow \boxed{I = 0}$$

$$\boxed{V = +2V}$$