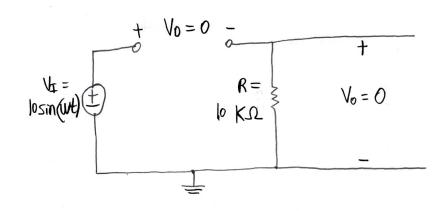


When $V_{I} \leqslant 0$:

Vo=VI

R= { |0 KΩ }



Y

$$\frac{V_0=0}{}$$

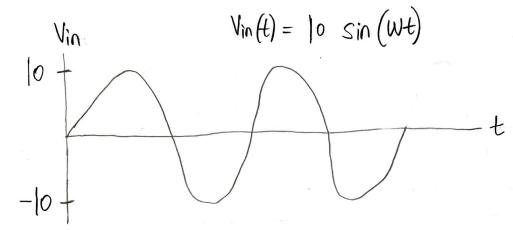
$$V_0 \quad V_S \quad V_I :$$

$$S|_{OPQ} = 0$$

$$V_I \leq 0$$

$$V_I \geq 0$$





If Vin ≤ 0:

Effect on Vout (t):

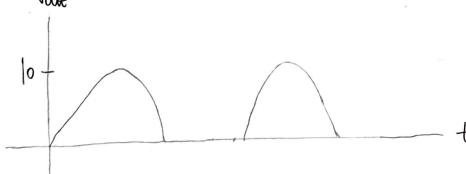
then Vout =0

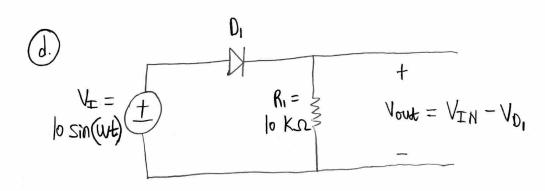
Vout: Clipped at 0 V,

instead of going all the way down to -10 V

Vout = 10 sin (Wt)? Vin > 0: 0 (Ternary operator)

Vout





Peak Diode current
$$= \frac{V_{IN} - V_{01}}{R_{I}} \rightarrow \text{"Peak":}$$

$$= \frac{|0 - V_{01}|}{|0000} (*)$$

(*): Voi appears to be unknown

