

$$A_{vo} = \frac{100 \text{ V}}{\text{V}}$$

$$R_L = 10R_o$$

$$R_i = 10R_s$$

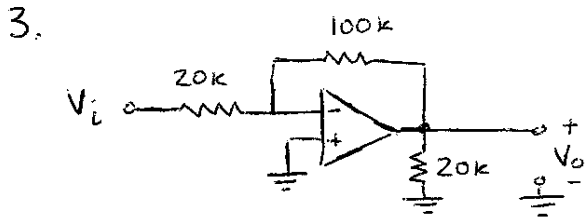
Find

$$A_v = \frac{V_o}{V_s}$$

2. 10 kHz \rightarrow Find impedance

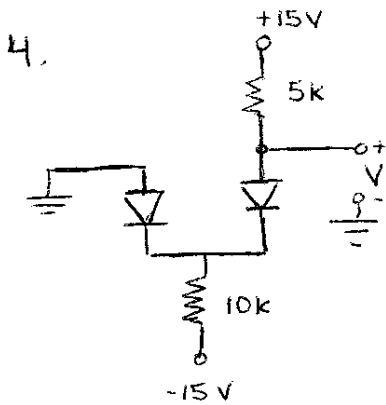
a) 1 k Ω series w/ 10 nF

b) 10 k Ω series w/ 100 mH

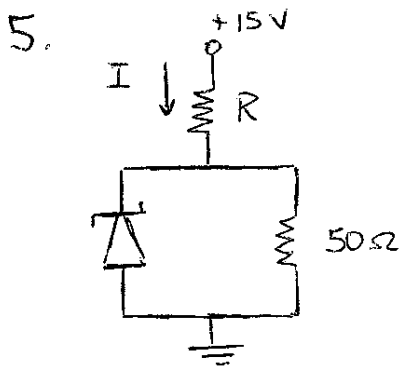


Derive expression for $\frac{V_o}{V_i}$

\rightarrow find numerical gain



Are both diodes forward bias?



Given

$$V_Z = 6\text{V}$$

$$I_Z = 50\text{mA}$$

Find

R

I