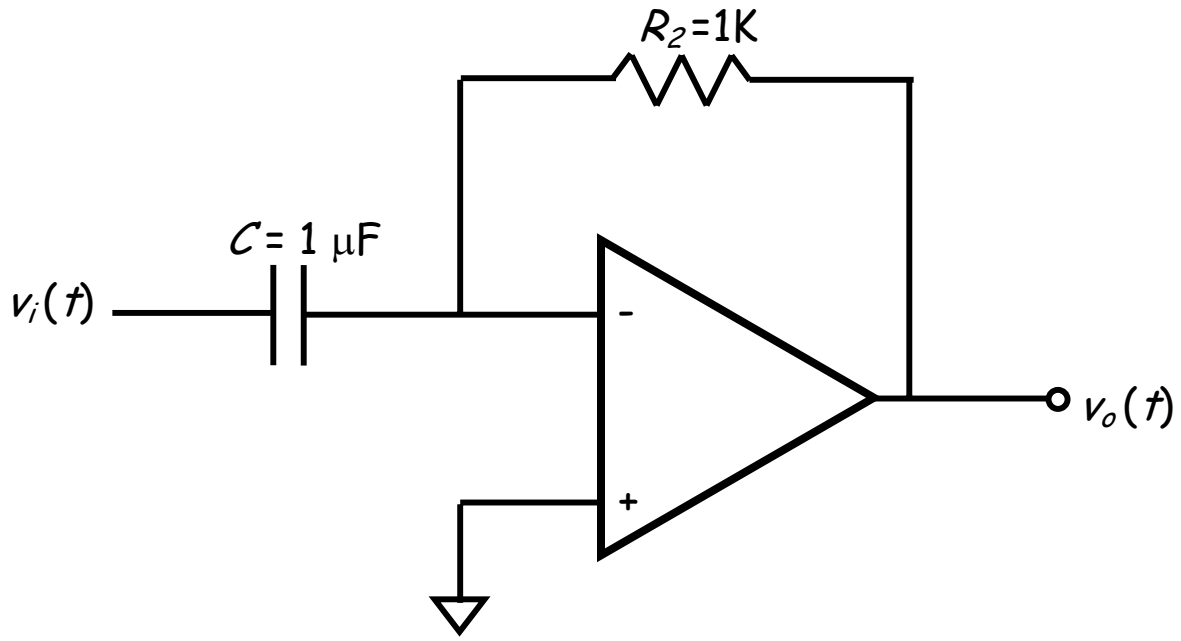
Special Problem 2.8-4

The **slew rate** of the op-amp in the circuit below is:

$$\text{slew rate} = 3.2x10^5(\pi)^2 \quad V/s$$

The **input** to this circuit is the signal:

$$v_i(t) = 0.002\cos\omega t \quad V$$



Determine the **largest possible** value of signal **frequency** ω that would **not** result in a **distorted** output signal (due to slew-rate limiting).