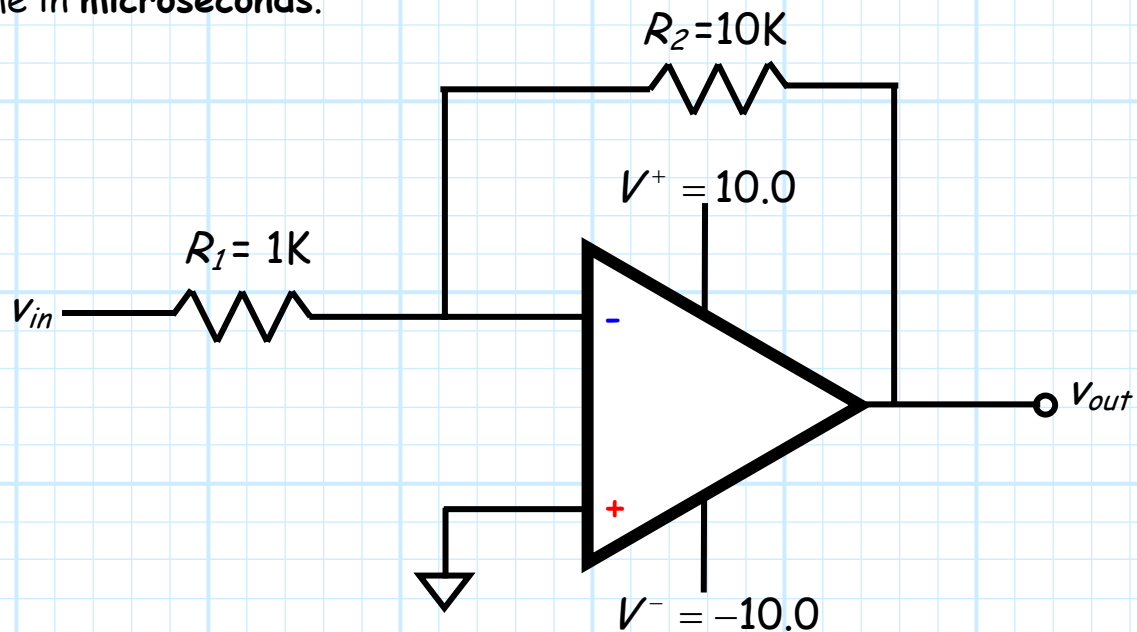


Special Problem 2.6-3

The op-amp used in the amplifier below has a **slew rate of $12.0 \text{ V}/\mu\text{s}$** .

The op-amp uses DC power supplies of **$\pm 10 \text{ V}$** .

The input to this amplifier is $v_{in}(t) = 0.1(0.6 - t^2)$ volts, where t is time in **microseconds**.



Determine precisely at what **time t** the output of this amplifier will begin to **distort**.