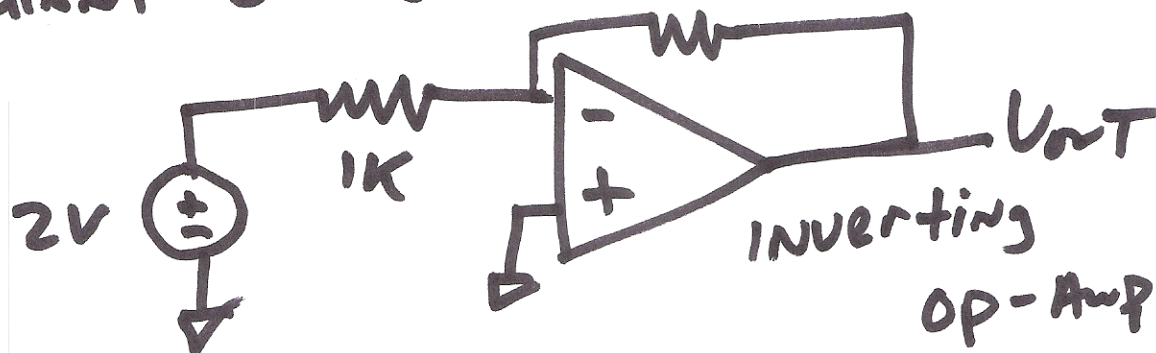


Determine the output voltage, and verify with simulations, in each of the following circuits.

- 1) Ideal op-amp but with finite gain of 500 ($=A_{OL}$). $2k$



- 2) Ideal op-amp but with $V_{OS} = 50mV$.
Use same ckt seen above.

- 3) Both finite gain of 500 & a $V_{OS} = 50mV$.

