Chapter 5, Solution 67.

Obtain the output v_o in the circuit of Fig. 5.94.

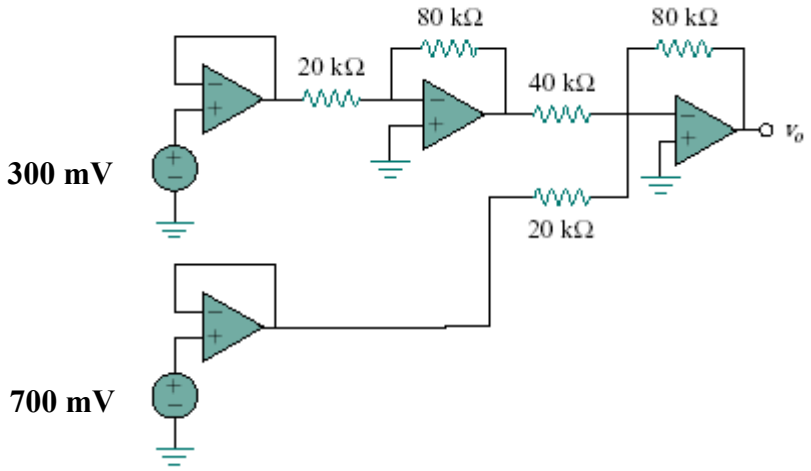

Figure 5.94
For Prob. 5.67.

Solution

$$v_o = \boxed{-\frac{80}{40}\left(-\frac{80}{20}\right)(0.3) - \frac{80}{20}(0.7)} = 2.4 - 2.8 = \textbf{–400 mV}.$$