

2.34 The circuit in Fig. P2.34 utilizes an ideal op amp.

- (a) Find I_1 , I_2 , I_3 , I_L , and V_x .
- (b) If V_o is not to be lower than -8 V, find the maximum allowed value for R_L .
- (c) If R_L is varied in the range 100Ω to $500 \text{ k}\Omega$, what is the corresponding change in I_L and in V_o ?

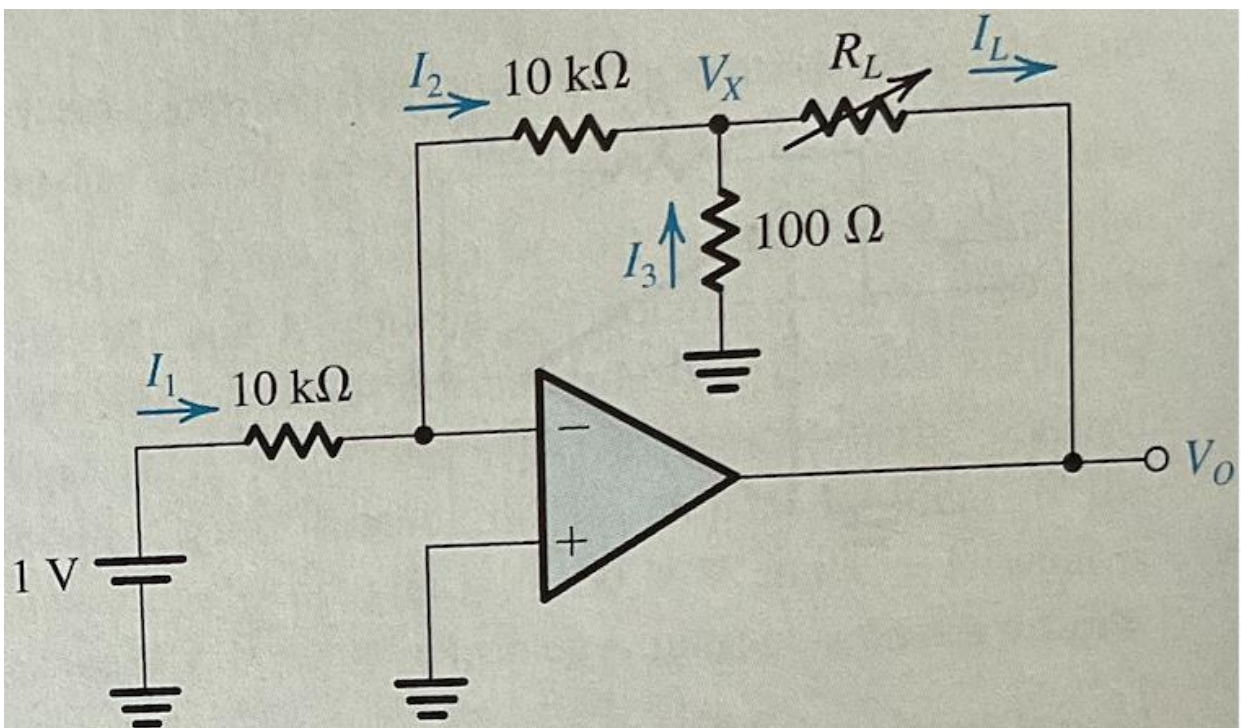


Figure P2.34