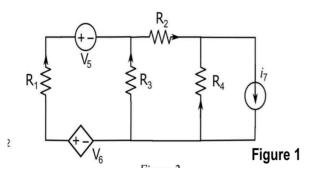
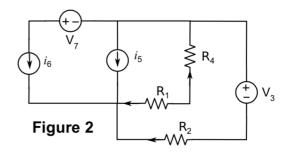
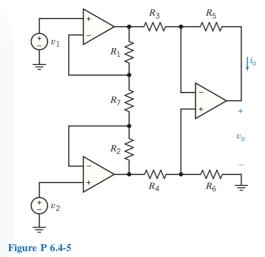
HOMEWORK-I

- 1. For the circuit given in Figure 1, obtain the equations to analysis the circuit using (a) Chord (Line) current method (b) Branch Voltage method ($V_6 = \alpha V_7$).
- 2. For the circuit given in Figure 2, obtain the equation to analysis the circuit using (a) Chord (Line) current method (b) Branch Voltage method.

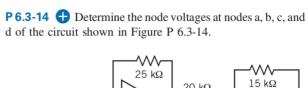




P 6.4-5 • The outputs of the circuit shown in Figure P 6.4-5 are $v_{\rm o}$ and $i_{\rm o}$. The inputs are $v_{\rm 1}$ and $v_{\rm 2}$. Express the outputs as functions of the inputs and the resistor resistances.



P 6.3-8 Determine the current i_0 for the circuit shown in Figure P 6.3-8.



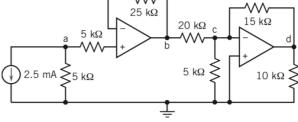


Figure P 6.3-14

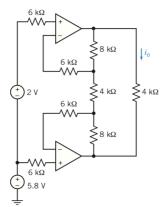


Figure P 6.3-8