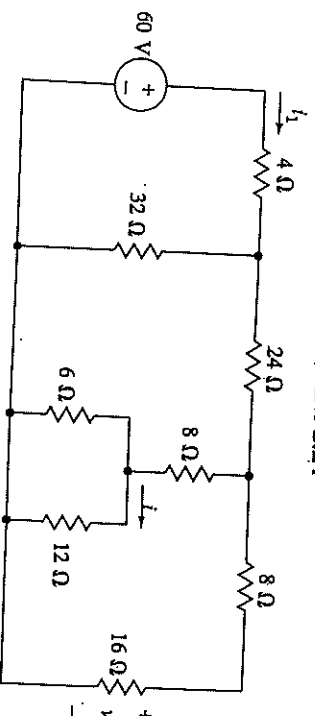
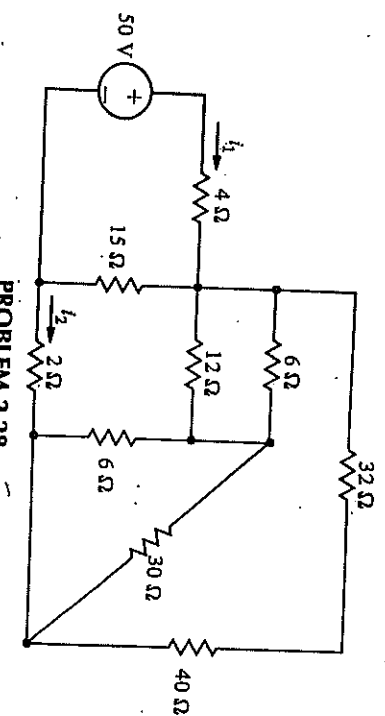


PROBLEM 2.24



PROBLEM 2.25



PROBLEM 2.28

2.27 Two $2\text{-k}\Omega$ resistors are in series. When a resistor R is connected in parallel with one of them, the resistance of the combination is $2400\ \Omega$. Find R and the current it carries if the combination is connected across the terminals of a 12-V battery.

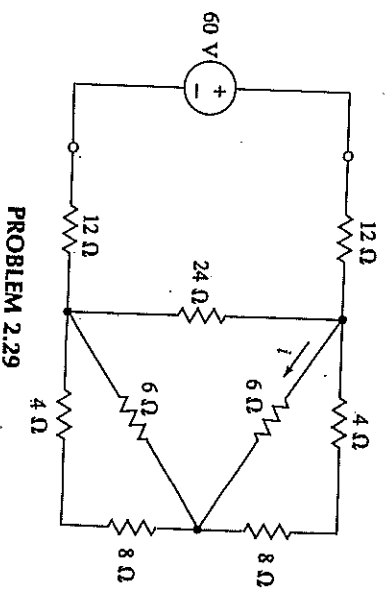
2.28 Find i_1 and i_2 .

2.29 Find i .

2.30 Find v and i .

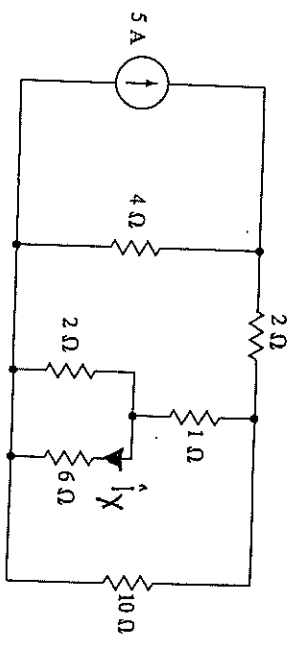
2.31 Find i and R .

2.32 Find i .

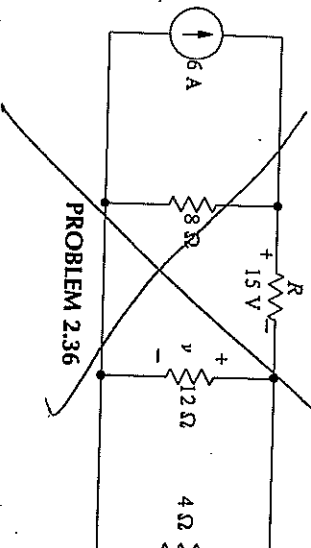


PROBLEM 2.29

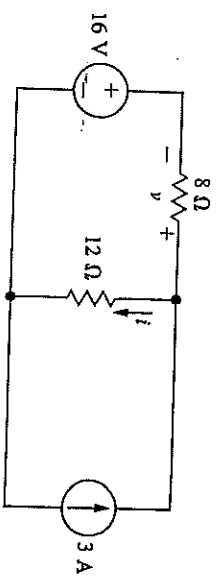
- 2.44 Determine the color codes for resistors having the following resistance ranges: (a) 4.23–5.17 Ω , (b) 6460–7140 Ω , and (c) 3.135–3.465 M Ω .



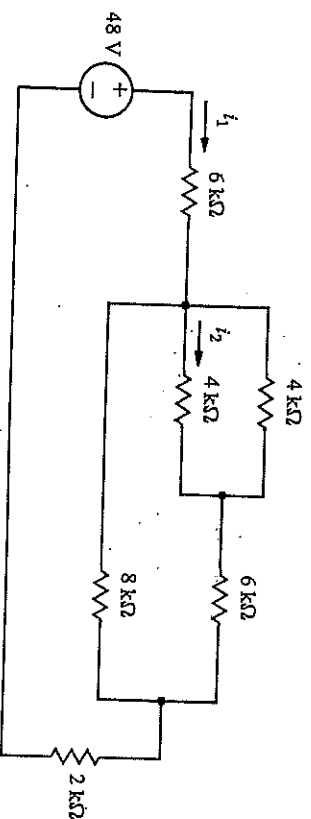
PROBLEM 2.35



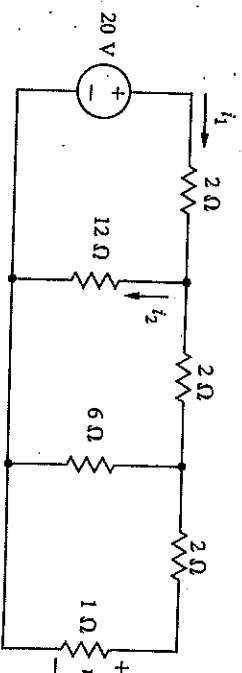
PROBLEM 2.36



PROBLEM 2.37



PROBLEM 2.38



PROBLEM 2.39