NOTES – CLASS 6
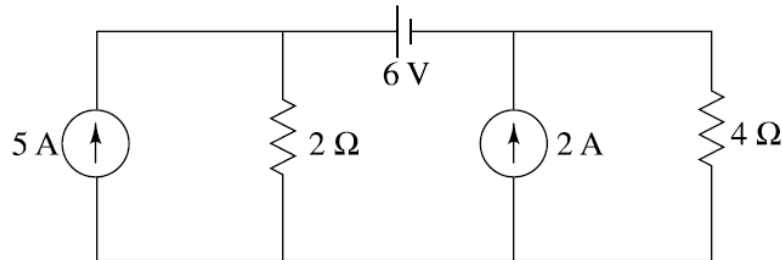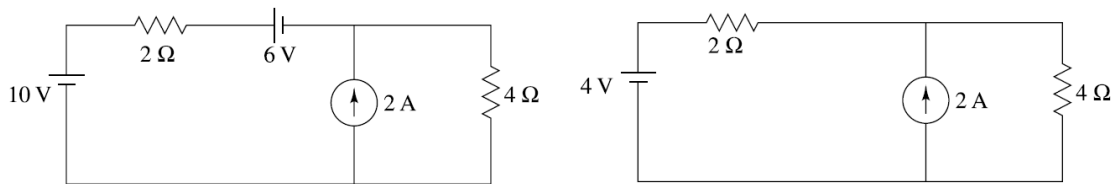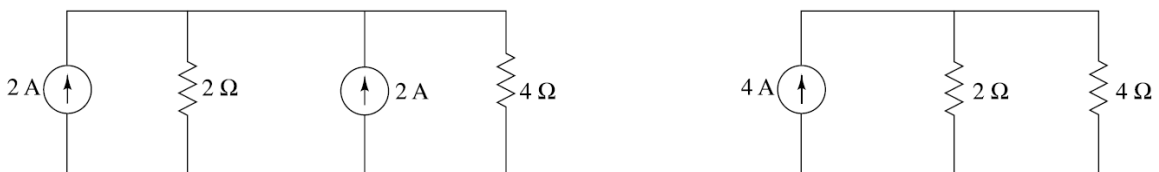**Q.Find the current in the 4Ω resistor using source transformation**

Converting the parallel combination of the current source of 5 A and the resistor of 2 Ω into an equivalent series combination of voltage source and resistor, we have

Again by source conversion,

By current-division formula,

$$I_{4\Omega} = 4 \times \frac{2}{2+4} = 1.33 \text{ A}$$