

Problem Sheet - 3

IECL02

(Q1) Apply the superposition principle to find V_o in the circuit shown in Fig. Q1

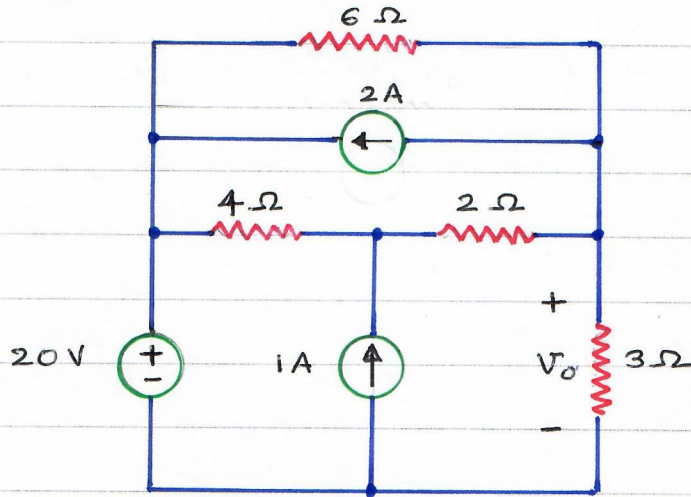


Fig. Q1

(Q2) Find the Thevenin & Norton equivalent circuit at terminals a-b of the circuit shown in Fig. Q2

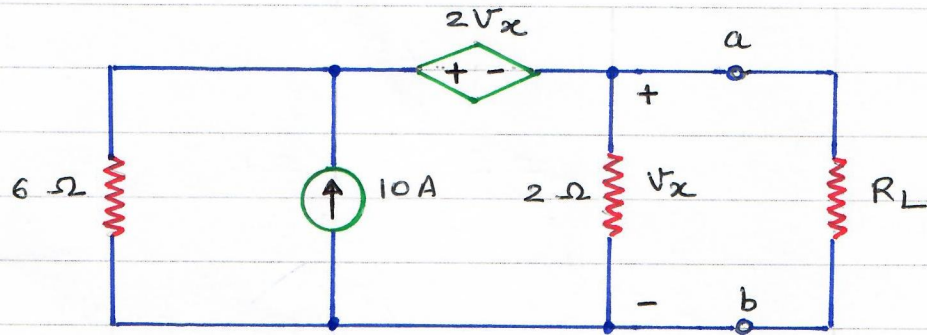


Fig. Q2

Q3 Determine the Thevenin equivalent of the circuit shown in Fig. Q3

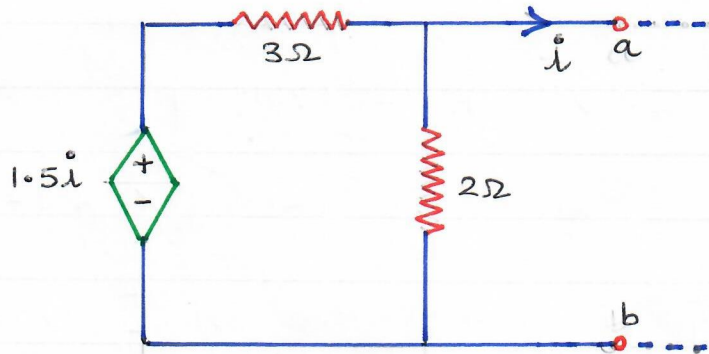


Fig. Q3

Q4 Find the value of R_L for maximum power transfer in the circuit shown in Fig. Q4. Also, find the maximum power dissipated in R_L .

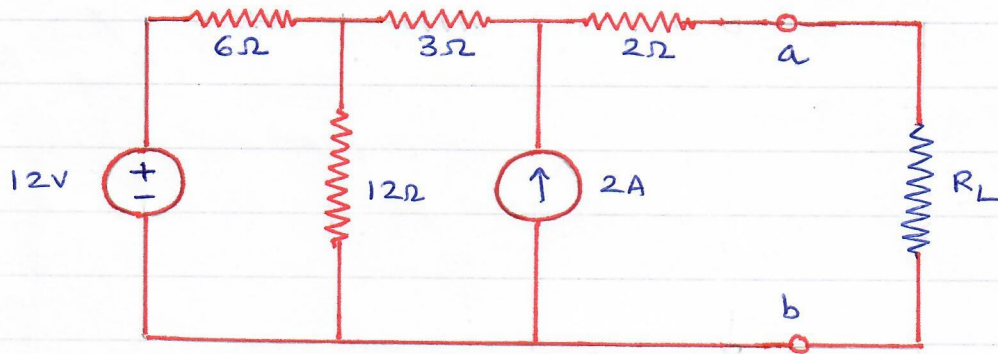


Fig. Q4