

TUTE-01
 Network Analysis and Synthesis (UEE 503)
 Department of Electrical and Instrumentation Engineering

Q1. Draw the graph of the network shown in Fig. 1

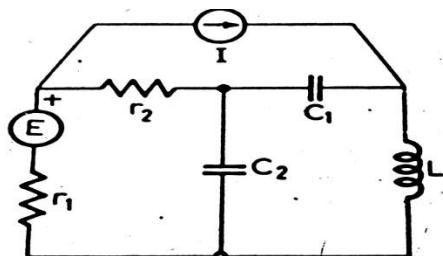


Fig. 1

Q2. Draw oriented graphs for the following networks shown in Fig. 2. Also show twig and links.

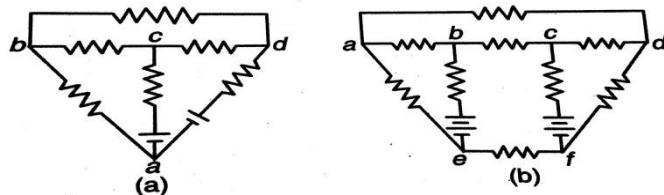


Fig. 2

Q3. A network is shown in Fig. 3. Draw the graph and possible trees. Find the number of twigs and links.

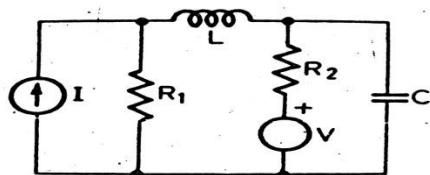


Fig. 3

Q4. Draw incidence and reduced incidence matrices for the graph given in Fig. 4.

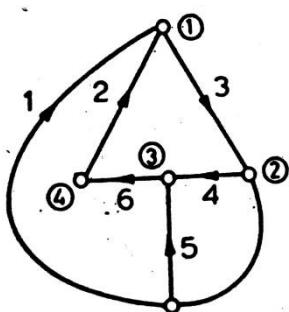


Fig. 4