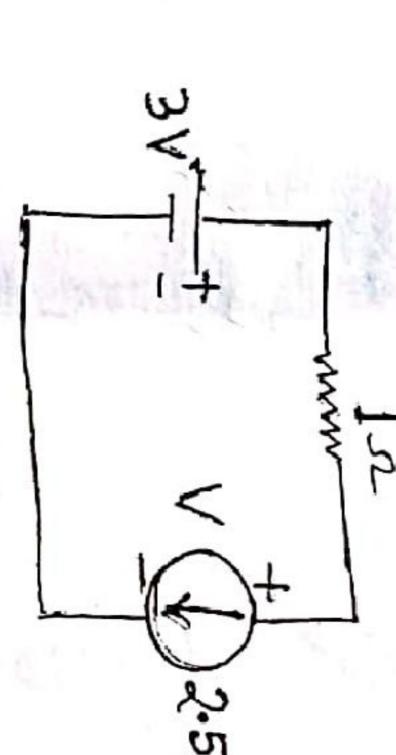
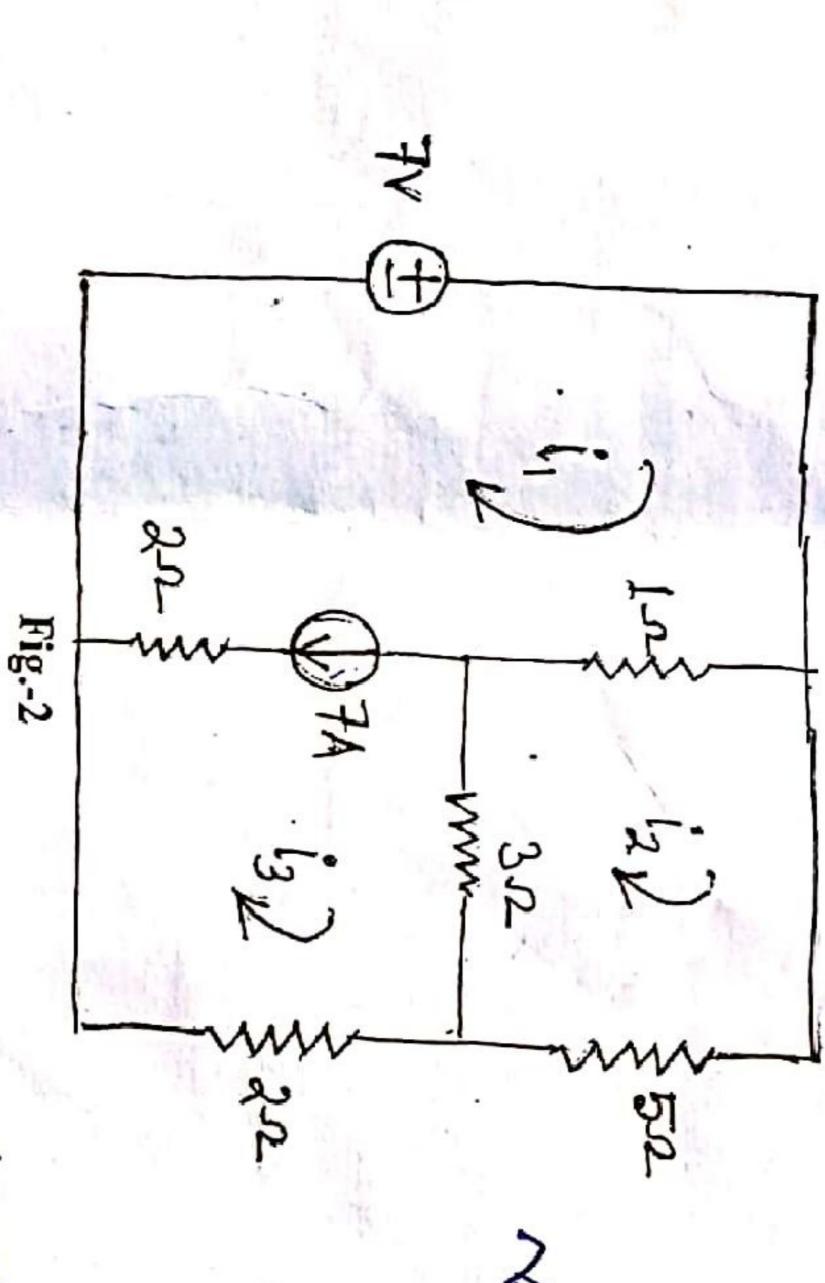
(i) Linear (iii) Lumpe

-1), find the using



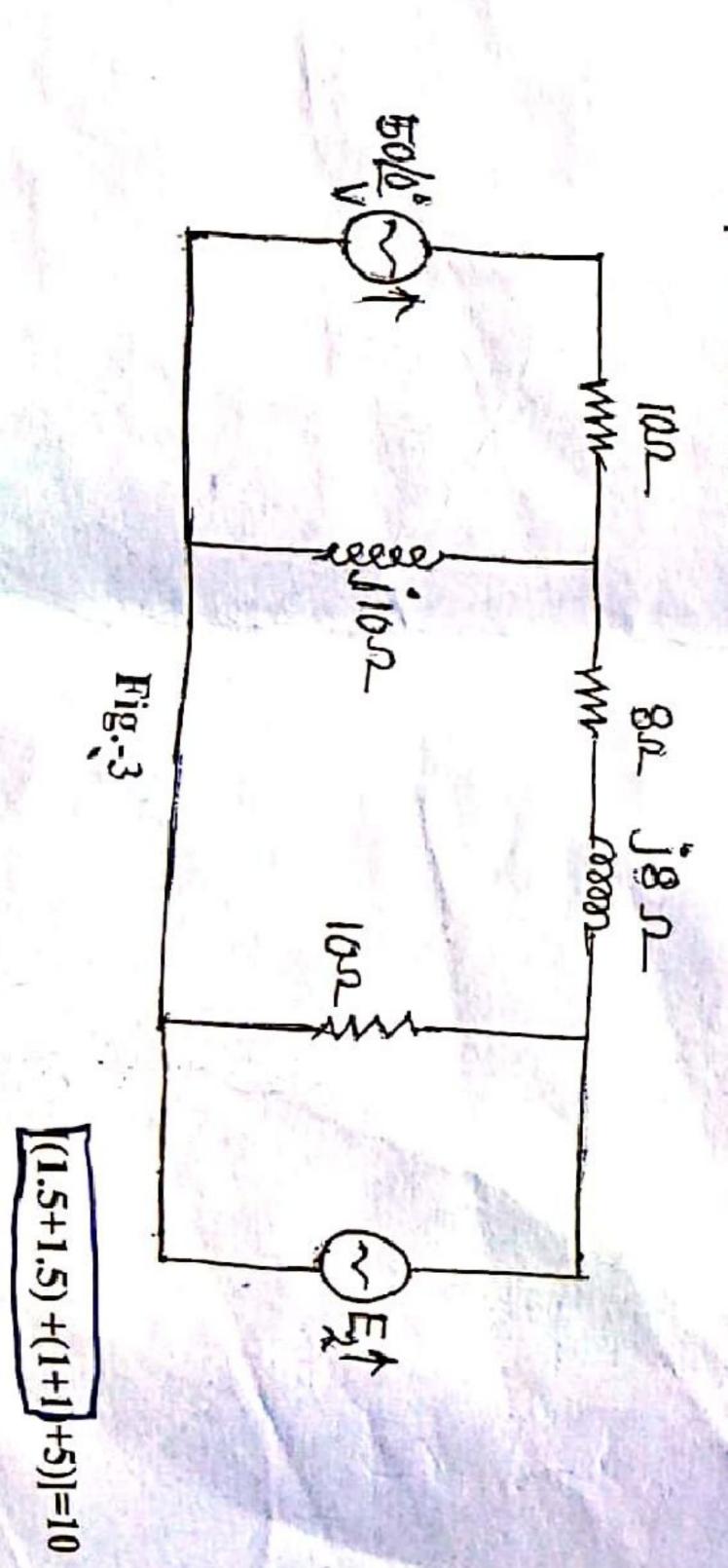
the Fig.-1
shown Fig.



(ii) Reci iprocity theor

following related to a linear graph

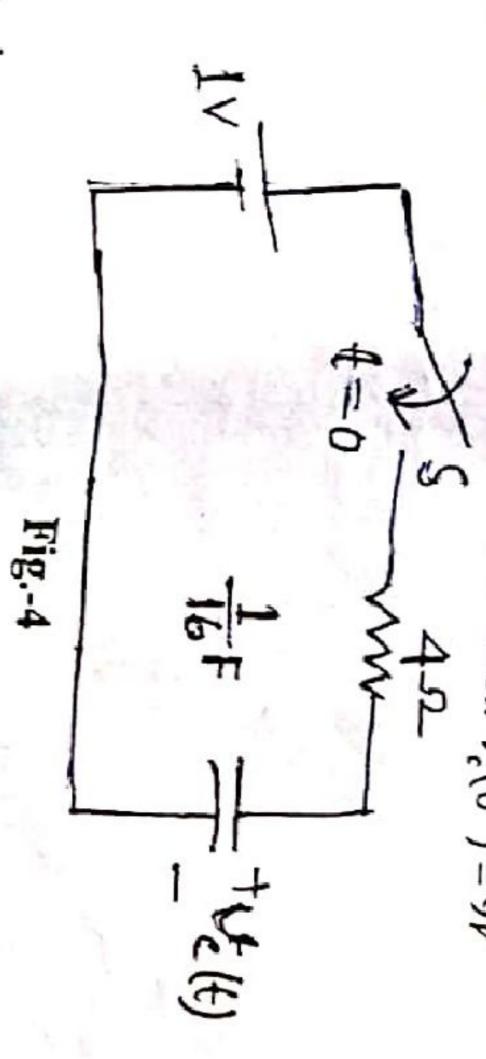
Ohm impedance



Using classical method of solution of differential State and prove Compens ation theorem.

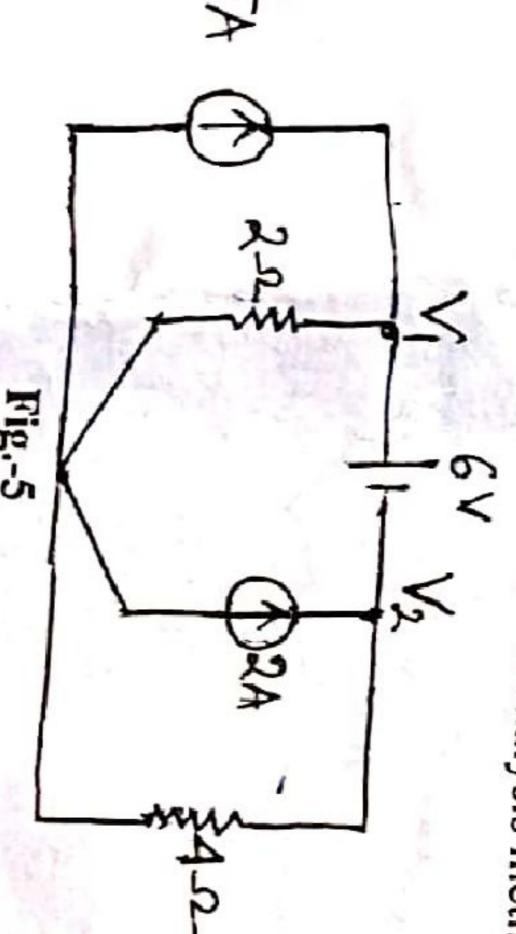
Scanned by CamScanner

circuit shown in Fig. equation,



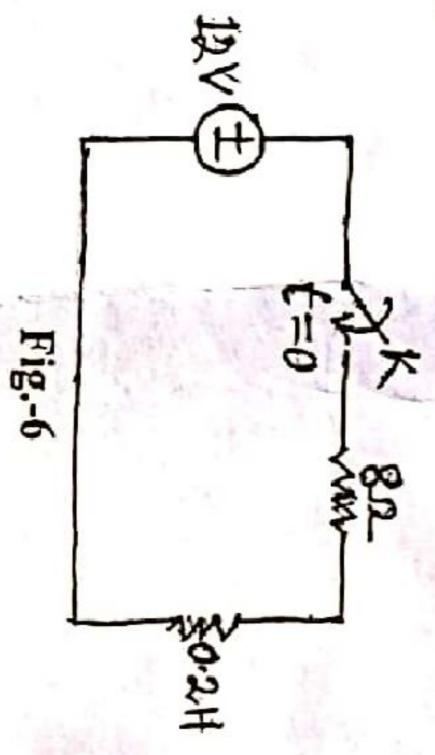
Tellegen's theorem.

Find of the circuit shown in Fig.

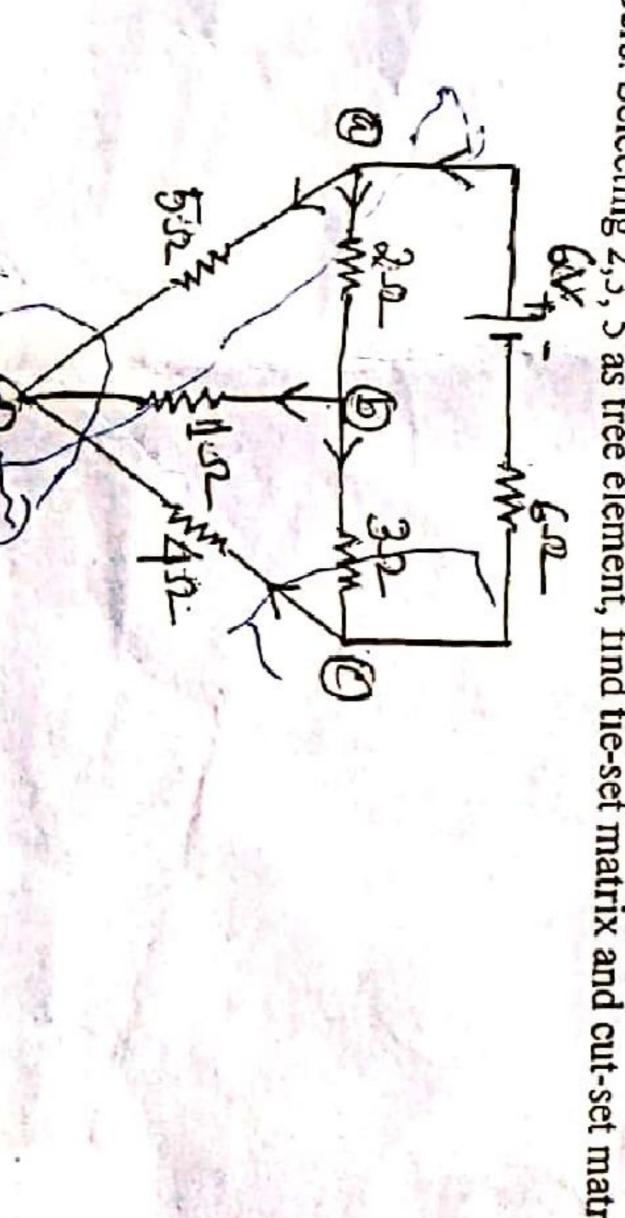


- damping, circuit is energized by a constant voltage source. Discuss the conditions of , critical damping and over damping of the current transient in the circuit. waveforms.
- What are initial conditions in the network analysis

For the network shown in Fig.values of 2 ā. 6, K is closed at 1= 9 0 vith zero initial current in the inductor



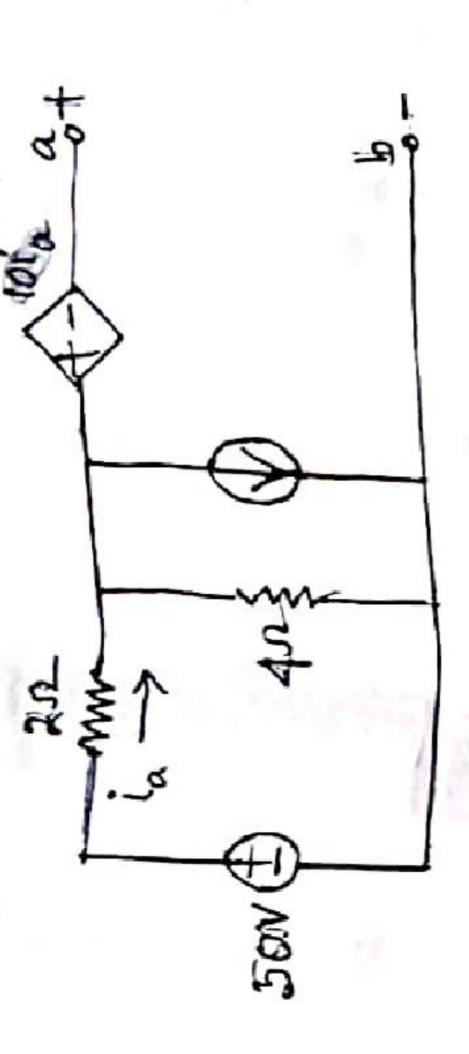
as shown in Fi as tree ele



6.(A) Show that current through inductor inst he fore switching = just after switching.

(A) Differentiate the terms 'Tie set (f-Circuit)' and 'Cut set (f-Cut set)' related to a linear graph.

Find the Thevenin equivalent circuit and Norton Equivalent circuit for the network as shown in Fig.



Find the Complete Incidence Matrix of the graph as shown in Fig.-9.

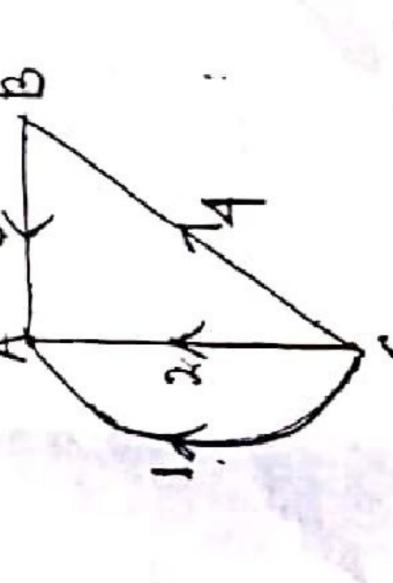
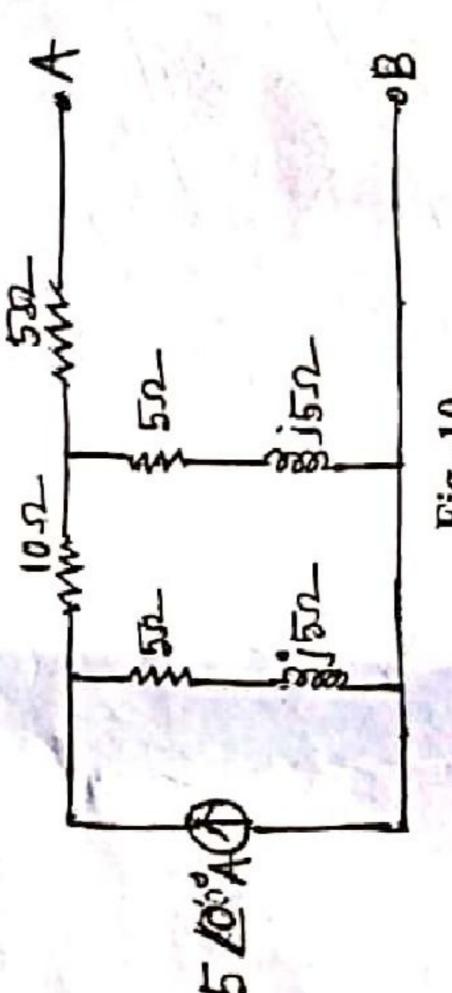


Fig.-9

(B) Find the value of Z, to be connected between the terminals A-B (Fig.-10) for Maximu



F1g.-10

Calculate the current through the capacitor by Superposition theorem for the circles was in Fig.-11

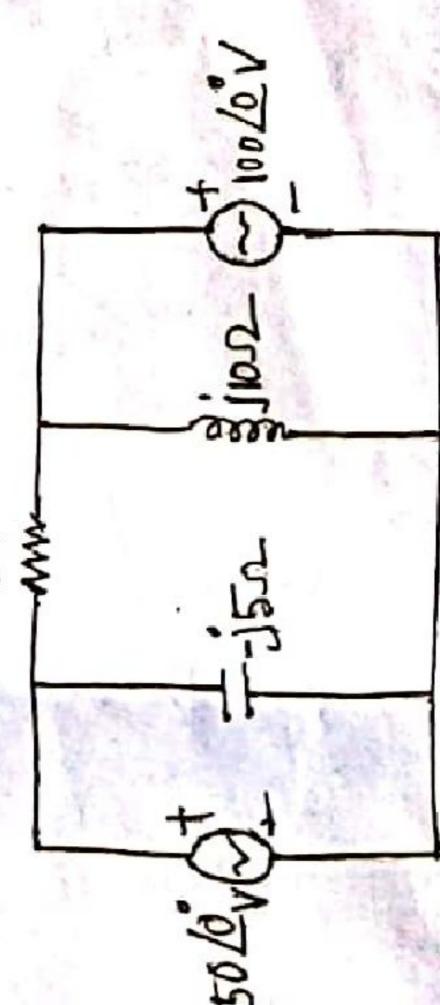


Fig.-11

四部4=

Scanned by CamScanner