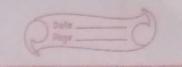
Superposition Theorem:

The current or voltage through or to the algebraic sum of the currents each source. produced independently by

o network schematic, we replace it with a direction connection school crait 3 of gero om (on). Any internal resistance associated with the source must remain in the network

* When removing a voltage source from a network schematic, replace it with on open circuit of infinite (00) s.

Since the effect of each sources will be determined independently, the number of networks to be analyzed will equal the number of sources.



Mothemotically, T = I' + I" + - - - . .

V=V'+V"+

- This theorem is used in linear circuits.

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The venin's Theorem:

can be replaced by an equivalent clouit constating solely of a vortage source and series raistor as shown in figure

ETH VTH

Fig. Therenin's Equipalent Gravit.

