Electrical Engineering



Electronics and Communication Engineering NETWORK THEORY

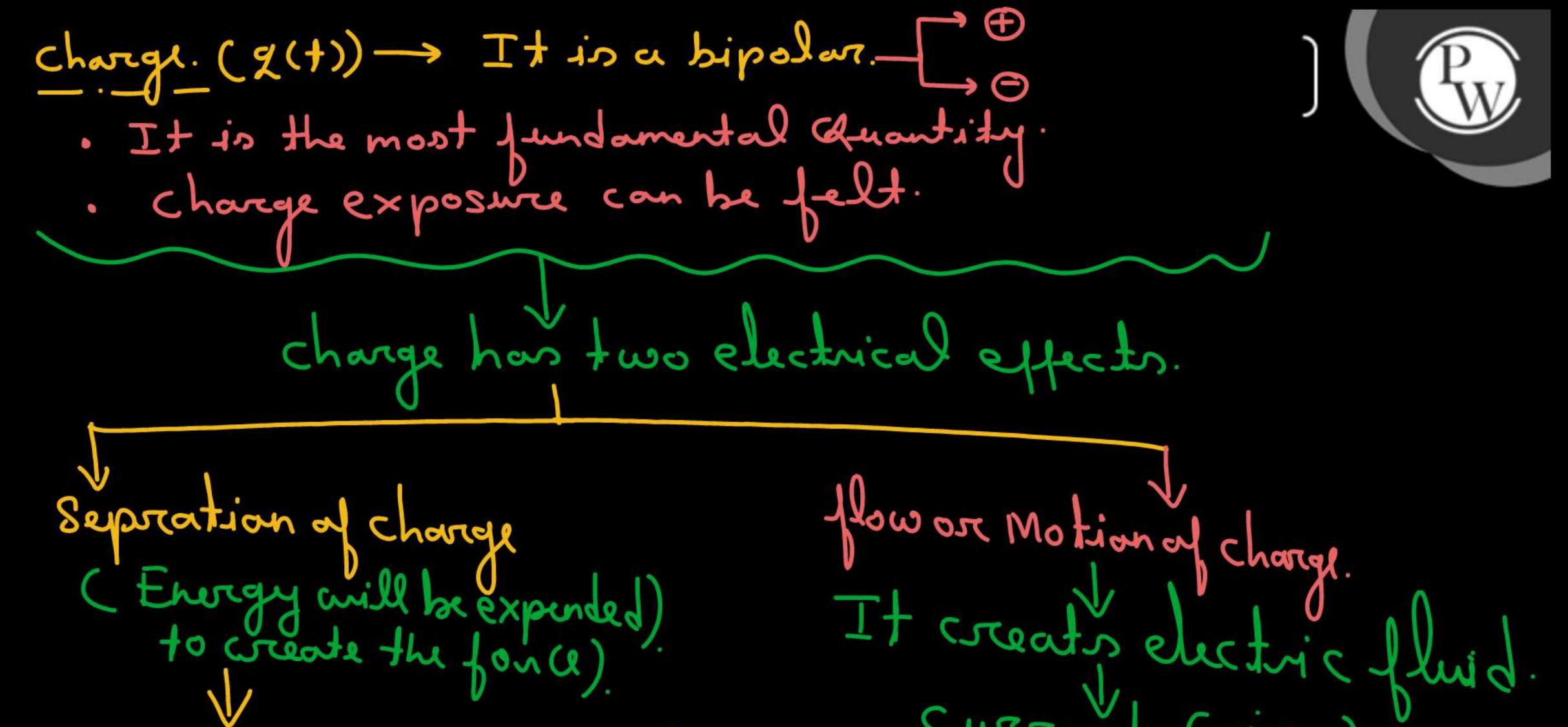






1	Ω
⊥.	Basias
2.	g(+), i(+), le(+)
3.	P(A) W(J)
4.	Pour absorbing
5.	Pour Pelines.
6.	

Basics of Network theory Voltage Charge Power (-> Energy current C 2(+)) (P(H)) Basic Building block of N/w theory



Force > U(+) -> Voltage

current (i(t))

$$y(t) = \frac{dw}{dy} \text{ volt}$$

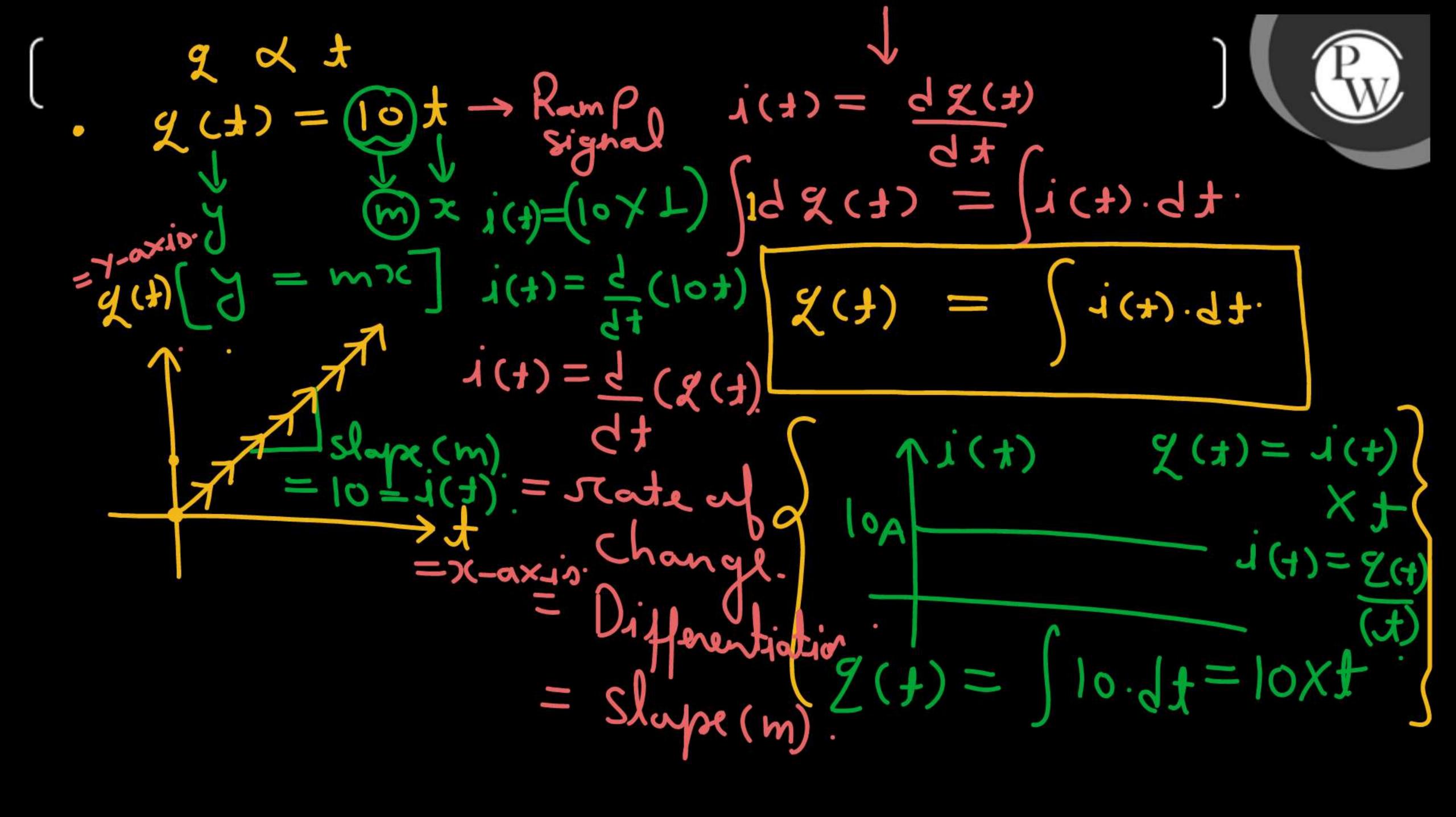
$$y(t) = \frac{dw}{dy} \text{ volt}$$

$$y(t) = \frac{dz}{dt} \text{ (Ampure)}$$

$$y(t) = \frac{dz}{dt} \text{ (Always)}$$

$$z(t) = \frac{dz}{dt}$$

$$z(t) = \frac{z}{dt}$$



Those.

(f(x)) -> Slape of f V, + curue. Note:







. The relation b/w U(+)& i(+) can be co-related with Power & energy.



$$b(t) = \frac{q+1}{q+1} \longrightarrow \frac{q+1}{q+1} = \frac{q+1}{q+1} \times \frac{q+1}{q+1}$$

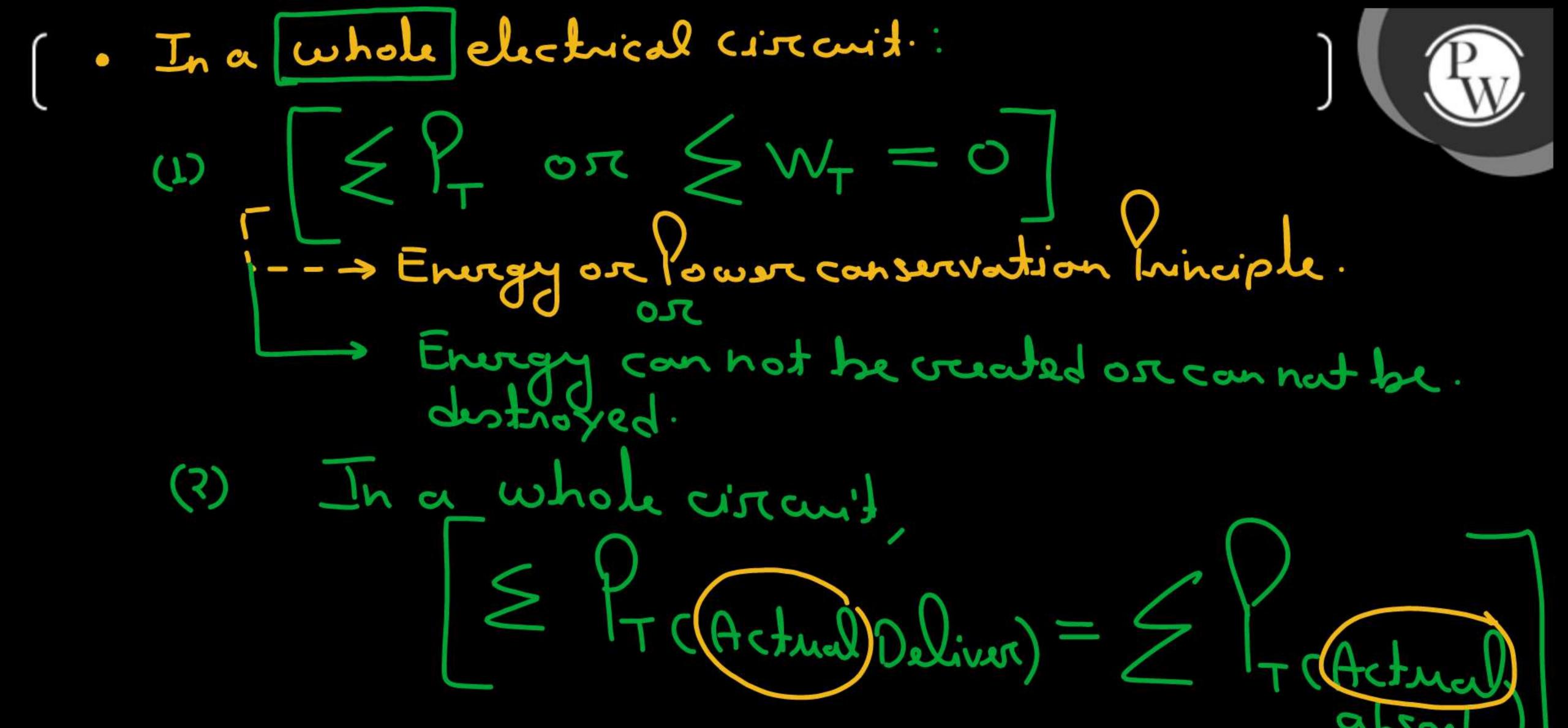
$$b(t) = \frac{q+1}{q+1} \times \frac{q+1}{q+1} = \frac{q+1}{q+1} \times \frac{q+1}{q+1}$$

$$b(t) = \frac{q+1}{q+1} \times \frac{q+1}{q+1} = \frac{q+1}{$$

$$f(x) = (x) = (y) dy$$

Tople-02. Concept of Absorbing & Delivering Network. It is also the connection · It is a quest conhection. tud atnemels lusivable po et electrical elements. With certain fixed re-guirements. Minimum raguirement as element to joram a nyw tasilte sund taum tī Ohe Independent 8ource It must have alleast Note: All circuits are always Network but all!)
networks are hat neccessarily to be a circuit Condition for the flow of current. There are three-must candition: Codhol: There must be attenst one Independent Source in the N/war circuit. Conditionoz: There must be atleast one clased lath. conditionos: There must be a return path also.)

-> Can be An CL, I - D or C (A) Jelivering l'ower rewol paired rosed. One (I. . V) It is Independent of It is independent of the Sign of V2I. Sign of V2I.





(a) panhayshuhla six pw

(teligram)



Thankyou

GW Seldiers!

