or no voltage involved R  $P = I^2 R$  R = 10

 $P = I^{2}R + 0 \quad \mathcal{E} = I(R+\Gamma) = 7 \quad I = \frac{\mathcal{E}}{R+\Gamma}$   $I^{2} = \frac{\mathcal{E}^{2}}{(R+\Gamma)^{2}}$ 

 $\Rightarrow \text{ into } P \Rightarrow P = \frac{\varepsilon^2}{(R+r)^2} R$ 

 $= \frac{1}{\sqrt{2}} = \frac$ 

Power 7 = Pour bulkry + Power 10ad = 1 E = I 3 B+ I 3 p

=> load power I'2 R = IE - I'2

El : [ (Internal resistance) affects current, the itwill affect everything else (: curent is involved in everything => you need the correct balance when r=B

TRACTORESTERED