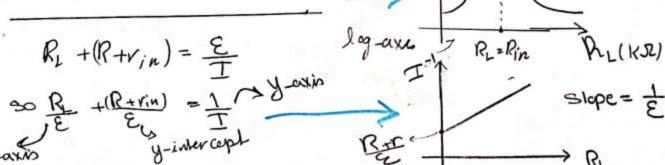
Source internal resistance, loading | Problems And circuit | impedance Matching

- · electromotive force (E): Voltage difference between terminals
- · An ideal voltage source: (Rno) and It provides an almost infinite current-
- · A real Voltage source how an internal resistance vin load: component that consums electrical power
- Since rin is very small we add a 1 KT Resistance to it -> So Rin = R + rin (shifting)
- * loading happens when vin is comparable to RI boad
 Resistance)



. What we need to use -

. resiston decade Box

· Voltage source = 10 V

. 1 KS Resistance

· Ammeter

Procedure:-

1- Change R_L (0.1--- 40) SI

2- measure I for each value

3- Draw I'Vs RL 10002 whole
4- Thy y-intercept = Rtrin collist

5- The Norm = 111

5- The slope = Ay = E

6- Draw Prs RL (By P2 RLIZ)

P max

١- عير القادمة المتغيرة على مدك ٥١ -- ١.٥)

٢- قس اليار لكل فوت للقادمة

Y- 1 (vs R2 (os windth))

3- The depth of the least (1 K2) + Waters Hopers

विख्ड । हिल्हे भी किंदि

0- Wy 2 1/16/18

7- ارسم P vs RL و مَمْ ما بجاد العقوم العقل من المنت

على أَ بأن المقوة = المقاومة للمتجرى : X (السِّار)