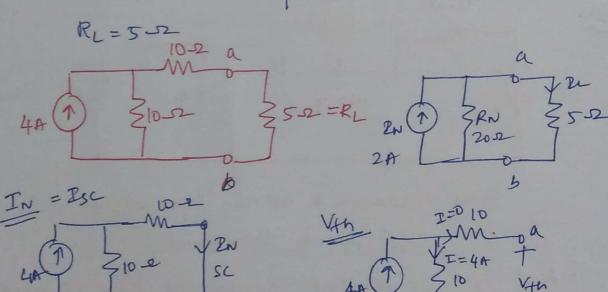


## Ezample

1 Find the Norton Equivalent across the load



$$2w = 4 \times \frac{10}{10+10}$$

$$2w = \frac{40}{20} = 2A$$

$$V_{th} = 4 \times 10$$

$$= 40 \text{ V}$$

THEVENIN EQUIVALENT

RH = 20-2

M = 72L

ZRL

$$2L = \frac{40}{20+5} = 1.6 A$$
.

manimum power transfer ours when Re=Rth= 20-2 VH=40V (F Pmax = V+n2 20+20 4X20 Pmar = 20 W Pmax = IRL = 20 W Rind Therenin & Norton Equivalents. max power transferred? Sc thment though the load terminal. Tofind (R = 0) Revistor in purallel to SC path entire cruent flows though -> 1> the zew resistance path. I=0 i-e (short arait) no orment will flow though R=1252, hence discerded.

