1500 Val 1200 15° Elsoo Erm

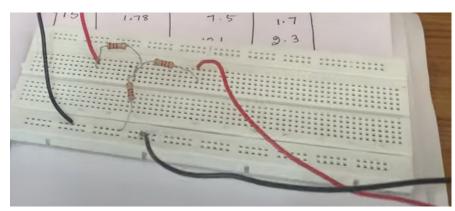
Vab - 1T Vab =0

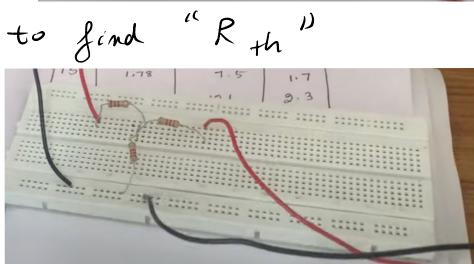
> vab = 8.18 V

Source - deactivating:

R = 1500/1 1600 = 2018.18

to find "V+h")





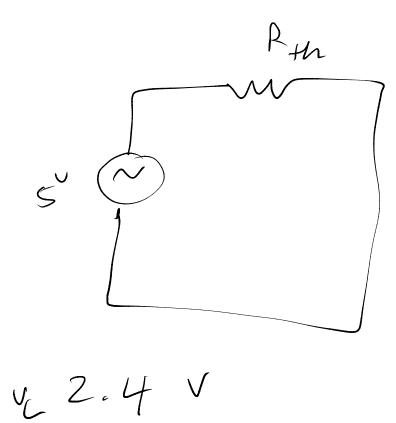
To find "IL" 10.3+8=7.4

= 3, 2

= 4

4 = 41

= 5-6



0.49×105

= 4952

3.36 = V

$$V_{ab} = V_{th} + \frac{P_L}{P_{th} + P_L}$$

when  $V_{ab} = \frac{1}{2} V_{fh}$ 

V\_ = 4.14 V

 $\int_{L} = \frac{v^{2}_{L}}{R} \quad \dot{v}_{SC} = 4 \text{ m A}$ 

= VALC-5052+56524) =0

$$F = 500$$

$$V_{in} = 500 pe S$$

$$V_{out} = 404 \mu S$$

$$t_1 = 2.505 ms = 0.01077 \times 10^{-6}$$

$$t_2 = 2.387 ms$$

$$v_{in} = 1.78 \angle 0^{\circ}$$

$$v_{out} = 1.66 \angle -19.4^{\circ}$$

$$\frac{1}{1000 \pi \cdot C} = 1.07 \angle 19.4$$

Vout = 2.37 A= 1.62 V

 $\Delta t = -1.2 \times 10^{-4} =$ 

Q CM

404 µs 1.45

492µs 1.99

ain = 2.49ms A = 1.99V

F = 750  $v_{in} = 330 \, \mu S \, ms$   $1.39 \, \Delta E = 37 \, \mu S$   $v_{out} = 295 \, ms$   $1.59 \, V_{out} = 1.99 \, , 250 \, \mu S$   $v_{in} = 1.67 \, , 227 \, \mu S$   $S = 1.67 \, , 227 \, \mu S$ 

16.97 cm