

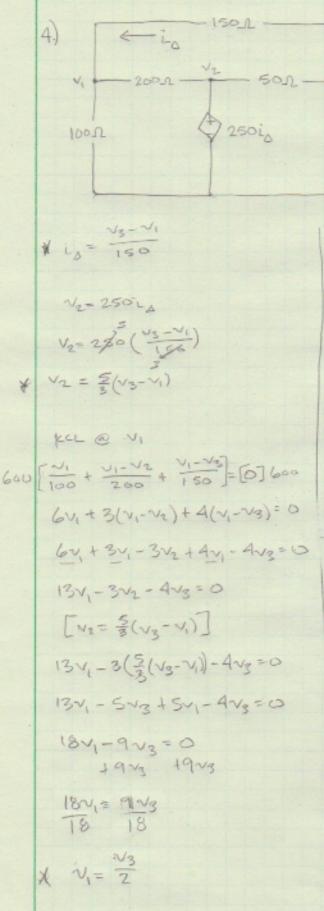
KCL @ 1:

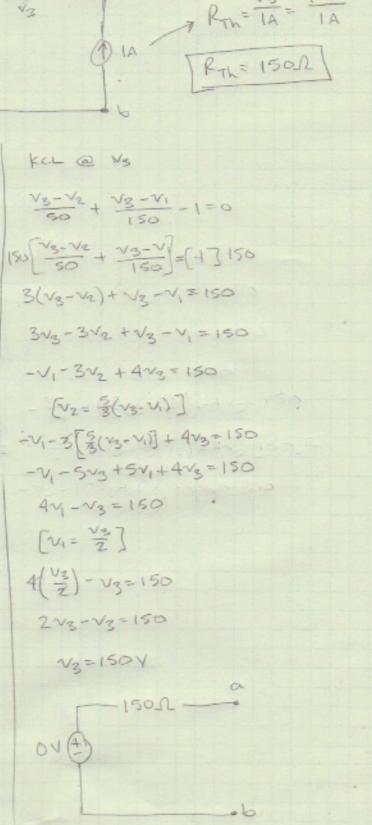
34-280-4=-400iA

3V1-280-V2 = -56+ 5 +280 +V2 + V1

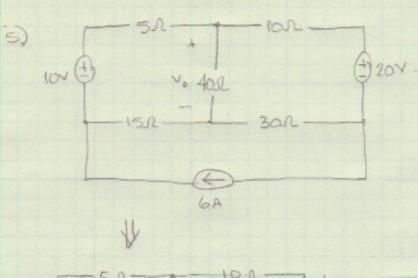
KLL @ 2:

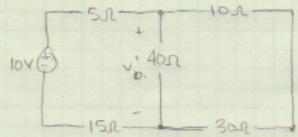
NORTON PURISHANCE RN= VTh [15c=0.06A] RN= 0.66 RN= 1866.752 in 1860.72 0.06A





Therenin's voltage is zero because there is no independent voltage source





$$R = \frac{40(40)}{40+40}$$

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$$R = (5+15)||40|$$

$$= \frac{20(40)}{20+40}$$

$$R = \frac{40}{3} \Omega$$

$$+ \frac{46}{3} \Omega$$

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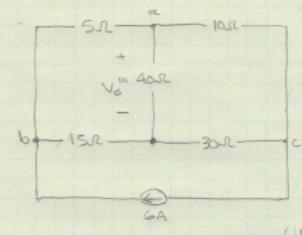
$$- \frac{40}{3} + \frac{30}{3} + \frac{94}{3}$$

$$- \frac{40}{3} + 10+30$$

$$= \frac{40}{3} + \frac{30}{3} + \frac{94}{3}$$

$$= \frac{100}{3}$$

V. = 54



Vo+ 4v"- 4x + 8v0 - 8v6 - 0

D 1310 - 806- 40c= 0 4

kel@ b:

3Vb-3v0"+Vb=90

-3 V6" + 4 V6 = 90

4Vb-90+3V6"

2 Vb- 90+3Vo"

PRINCIPLE OF SUPERBOTTONS: