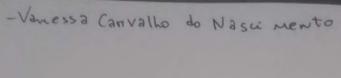
Vanessa - 471584



$$\frac{\sqrt{a - (V_d + 60)}}{4} + \frac{\sqrt{a} + \sqrt{a - (V_b - 90)}}{8} = 0$$

$$4Va - 4Vd - 240 + Va + 2Va - 2Vb + 180 = 0$$

$$\frac{\sqrt{6}}{8} + \sqrt{6 - (\sqrt{2} + 90)}$$

$$\frac{\sqrt{b}}{8} + \frac{\sqrt{b - (v_{a} + 90)}}{8} + \frac{\sqrt{b - v_{c}}}{4} = 0 \Rightarrow \sqrt{b} + \sqrt{b - v_{a} - 90 + 2V_{b} - 2V_{c}} = 0$$

$$\Rightarrow (-\sqrt{a} + 4V_{b} - 2V_{c} = 90)$$

$$\frac{\sqrt{c}}{5} + \frac{\sqrt{c} - \sqrt{b}}{4} +$$

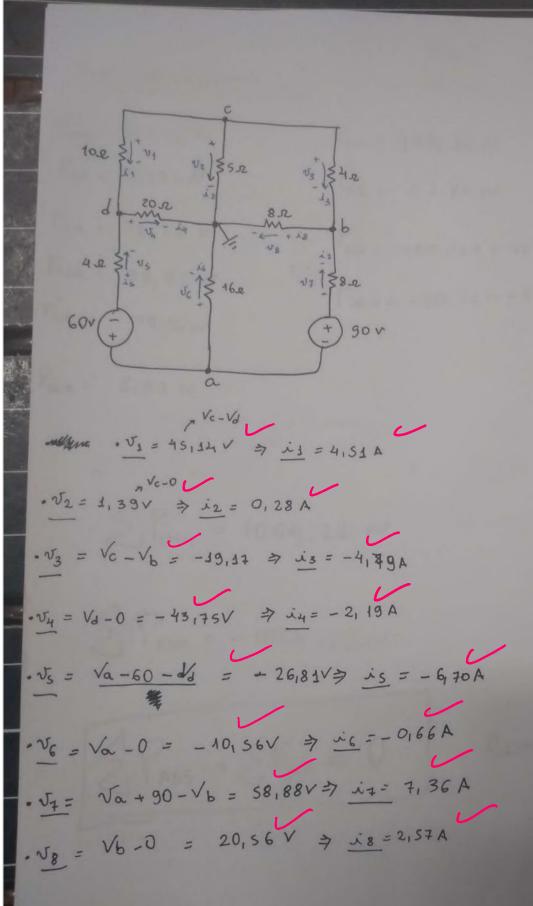
-Nóc:
$$\frac{V_c}{5} + \frac{V_c - V_b}{4} + \frac{V_c - V_d}{10} = 0 \Rightarrow 4V_c + 5V_c - 5V_b + 2V_c - 2V_d = 0$$

$$\frac{\sqrt{d} + \sqrt{d - \sqrt{c} + \sqrt{d - (\sqrt{a - 60})}}{10}$$

$$\frac{\sqrt{d} + \sqrt{d - \sqrt{c}} + \sqrt{d - (\sqrt{a - 60})}}{10} = 0 \Rightarrow \sqrt{d + 2} \sqrt{d - 2} \sqrt{c} + 5 \sqrt{d - 5} \sqrt{a + 300} = 0$$

$$\Rightarrow (-5\sqrt{a} - 2\sqrt{c} + 8\sqrt{d} = -300)$$

· Solução:



. TESTE DAS POTE NOTAS

P=Riz P=Vi

Pros = 203,40 WV

Psa = 0,392W

Pan = 91,78 W

Prox = 95,92W

P42 = 179,56 W

P16e = 6,97 W

P8R = 433, 36 W

P82 = 52,84W

PGOV = +60. is = -402 W (FOR)

Pgov= -90. it -662, 4 (FOR)

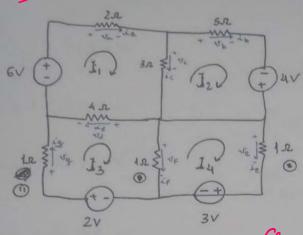
SP(ASS) = 1064,22 W

S PFOR = - 1064 125W

SPABS + SPFOREDO

CONFERE! agre re dere a poquem +?





algoritmo interesseta, plus

· TECNJOA DE CORRENTES DE MALHA; estor dimeriado da LIKT.

$$I_{1}(2+3+4)+I_{2}(-3)+I_{3}(-4)=6 \Rightarrow 9I_{1}-3I_{2}-4I_{3}=6$$

$$I_{1}(-3)+I_{2}(3+5)=4 \Rightarrow -3I_{1}+8I_{2}=4$$

$$I_{1}(-4)+I_{3}(4+j+1)+I_{4}(-j)=2 \Rightarrow -4J_{1}+6J_{3}-14=2$$

$$I_{3}(-j)+I_{4}(1+j)=-3 \Rightarrow -1_{3}+2I_{4}=-3$$

· Solução:

$$I_{1} = \frac{692}{437} = 1,58A$$
 $I_{2} = \frac{478}{437} = 1,09A$ $I_{3} = \frac{543}{437} = 1,24A$ $I_{4} = \frac{-384}{437} = -9.88A$

•
$$\underline{Ja} = I_1 = 1.58A$$
 $\Rightarrow \sqrt{a} = 3.16V$
• $\underline{Jb} = J_2 = 1.09A$ $\Rightarrow \sqrt{b} = 5.45V$
• $\underline{Jc} = J_1 - J_2 = 0.49A$ $\Rightarrow \sqrt{c} = 1.47V$
• $\underline{Jd} = I_1 - J_3 = 0.34A$ $\Rightarrow \sqrt{d} = 1.36V$
• $\underline{Je} = I_4 = -0.88A$ $\Rightarrow \sqrt{e} = -0.88V$
• $\underline{Je} = I_3 - J_4 = 2.42A$ $\Rightarrow \sqrt{e} = 2.12V$
• $\underline{Jg} = I_3 = 1.24A$ $\Rightarrow \sqrt{g} = 1.24V$

Pzz = 4,99W P120 = 4,49 W Psz = S194W1 P120 = 1,54W V P = 0,72 W L PEU = - 6], = -9, 48W (FOR) P42 = 0,46 N P4V = -4 I2 = -4,36W (FOR) Pie - 0177W P3V - 374 = -2,64W (FOR) Prv = -2 I3 = -2,48 w (FOR) SIPABS = 18,91 W W S. PFOR = - 18,96W 5 Pabs + 5 Prox (=0) CONFERE!