1.31: Hayt) 
$$v_{x} = ?$$

$$T_{1} = 0.5 A^{(9(3)(40.7))} = 0.5 A^{(9(3$$

$$=D I_{2} = 1.85^{4}$$
,  $I_{3} = 4.375^{4}$ ,  $v_{\alpha} = -8.75^{V}$ 

$$I)-4.5+2I+8VA-VA=0$$

$$=DI=\frac{4.5-7VA}{2}$$

$$I)-4.5+2I+8VA+5I=0$$

$$4.5^{V}$$
)  $P = v.I = 4.5 \times (-\frac{3}{22}) = -\frac{13.5}{22} w$ 

$$2^{\Omega}$$
)  $P = V \cdot I = (R \cdot I) \cdot I = 2 \times (-\frac{3}{22})^2 = \frac{18}{464} = \frac{9}{242}$ 

$$8\%$$
)  $P = V.I = 8V_{4} \times I = 8 \times \frac{15}{22} \times (-\frac{3}{22}) = -\frac{360}{484} = \frac{-90}{121}$   $\omega$ 

$$5^{\Omega}$$
)  $P = V.I = (R.I) \cdot I = 5 \times (-\frac{3}{22})^2 = \frac{45}{484}$   
=  $(-V_A) \cdot I = -\frac{15}{22} \times -\frac{3}{22} = \frac{45}{484}$ 

200

$$I_{3} = -0.03 U_{H} - I_{4} = -I_{4}$$

$$I_{4} = -I_{4}$$

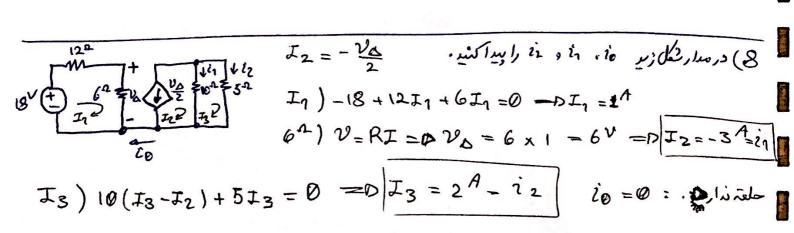
$$I_{5} = -I_{4}$$

$$I_{5} = -I_{5} = -I_{5}$$

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$$I_{5} = -I_{5} = -I_{5} = -I_{5} = -I_{5}$$

$$I_{5} = -I_{5} = -$$



$$\frac{ie \cdot 1e^{\Delta}}{4} = \frac{1}{1} \cdot \frac{1$$