

1 dipom:
$$\frac{V_1-0}{10} + \frac{V_1-V_2}{4} - 0.75 = 0$$

2 dipom: $\frac{V_2-V_1}{4} + \frac{V_2}{20} + 0.2 ix = 0$
 $ix = \frac{V_1-V_2}{4}$
 $ix = \frac{5-1}{4} = 9.25A$

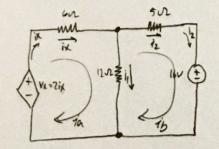
$$P_{20x} = \frac{V_2^2}{20} = \frac{16}{20} = 0.8 \text{ w} \left(20x^4 \text{ Uz diencin horodops gig} \right)$$

$$P_{0.75A} = 0.i = -5 \times 0.75 = -3.75 \text{ w} \left(\text{Bopims:} = 0.10 \text{ hoyaginin giv} \right)$$

$$P_{0.72ix} = +0.i = 4 \times 0.2 \times 0.25 = 0.2 \text{ w} \left(\text{Bopims:} = 0.10 \text{ hoyaginin giv} \right)$$

$$\left(\text{tiletir} \right)$$

Soay (2,8,8,10,11)

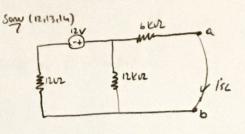


ia-lo pot olumber;

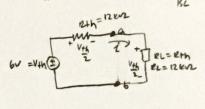
Vx=2ix, |a=1x, |2-16, 11=10-6

 $P_{6VZ} = i^2 \cdot R = 4x^2 \cdot 6 = (-1.5)^2 \times 6 = 13_1 \text{W} (6V2'1 \text{VZ} dimen horcodyn pix)$ $P_{VX} = -V_X \cdot i_X = -2i_X \cdot i_X = -2(i_X)^2 = -2x (-1.5)^2 = -4.15 \text{W} (B_{\phi} \text{Im} I) \text{ position}$ (Unefts) boy notions give $P_{16W} = +i_Z \cdot 16 = -2x \cdot 16 = -32 \text{W} (B_{\phi} \text{Im} \text{Im} \text{ boy notions give})$

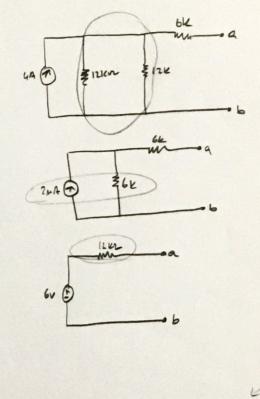
Proplem = 1315 + 1-212x5 + (0,5)2x12 = 36,5 w (Devede thetilen toplom gis)



a-6 bus done be Pth = Vab (Thevenin pailini)

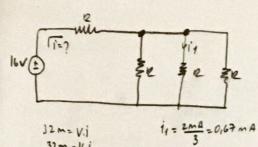


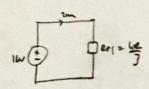
(a.b valuna deveden moz. più tronsfui coglogoale secilde bir diena bogilonager. Ru durda br dienan gicini henglagana)



PMX = 62 = 0,74 and

Soer (15,16)





(6) 160 wayners develo explodiff pig 32 mm lie ten?

* isabit ise u=0 olvr.

* it) soreleti faksipadur.

(surama popuoz)

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$$P=0.i$$
, $P=\frac{dw}{olt}$ $w:enequi(rowle)$
= $L.\frac{di}{dt}.i$ $w(t)$ t
= $Li.\frac{di}{dt}$ $w(t)$ t
 $w(t)$ t

wito): bashages enertisi

to =
$$L\frac{i^2}{2}\Big|_{to}^t = \frac{1}{2}Li^2(t)$$
 (ilto)=shr ise)

* u=sobit ise = i=0 olv.

+ a gerilmesi coekli olmollidir.

(ogik deve)

6.2 Kapasillar

$$i = c \cdot \frac{da}{dt}$$

$$p = 0$$
 i $= 0 \cdot C \cdot \frac{dv}{dt}$

W(t)=Sfalde W(+) = 1 co2(t)

(SIGroma

Kapasitor