$\frac{2-2}{4}$ $\frac{6V}{4}$ $\frac{2-2}{4}$ $\frac{4}{2}$ $\frac{4}{2}$ $\frac{4}{2}$

Problemas Temaz

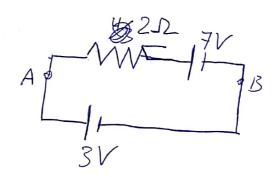
Calcula la corriente que circula por el generador de 3V. Primero hallomos el equivalente Thevenin.

$$T = \frac{\sum_{V}}{R_{T}} = \frac{-9+6}{2+4+1+2} = \frac{-3}{9} = -\frac{1}{3}$$

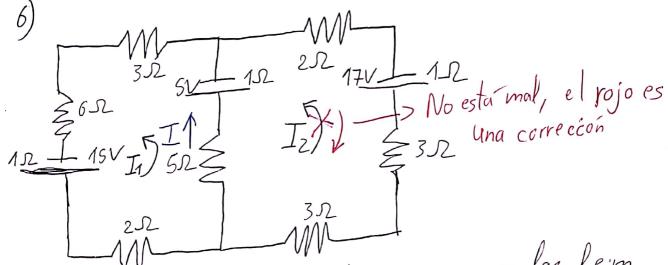
La I va ensentido contrario. I= 1/3 A

Ahora caleulomos Vth = VA - VB = 13 (2+4)-9=-7

Ahora 11 Rth.



$$I_2 = \underbrace{\underbrace{\underbrace{V}}_{E_R}}_{= \underbrace{PBB2}} = \underbrace{\underbrace{10}_{=B}}_{BZ} = \underbrace{B}_{Z} A$$



Calcula la potencia que aportom o consumen las s.e.m segmel caso

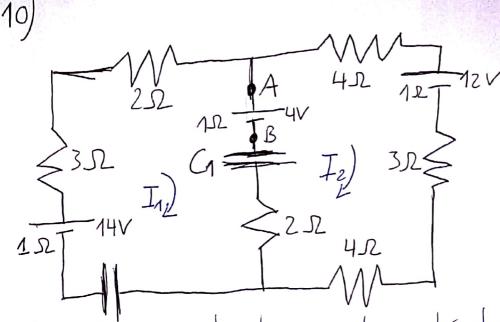
Malla 1

$$I_1(s+1+3+6+1+2)-I_2(1+5)=-5+15=0$$

$$= 7^{-18}I_1-6I_2=10$$

Mallaz

Malla 2
$$I_{Z}(3+1+2+1+5+3) - I_{Z}(6+1) = -17+5 \Rightarrow I_{Z}(3+1+2+1+5+3) - I_{Z}(6+1) = -17+5 \Rightarrow I_{Z}(3+1+2+1+5+3) - I_{Z}(6+1) = -17+5 \Rightarrow I_{Z}(3+1+2+1+5+3) - I_{Z}(6+1) = -17+5 \Rightarrow I_{Z}(6+1) = I_{Z}(6+1$$



a) Cuando hay condensadores: mientras esta el proceso de carga circula corriente.

$$V_A - V_B = \begin{cases} & i_K R_K - (\xi E_K) \end{cases}$$

· Malla 1

$$\frac{1}{I_1(1+z+1+3+2)} - I_2(2+1) = -4 + 14 \Rightarrow 9I_1 - 3I_2 = 10$$

Malla Z

$$\overline{I_2(1+3+4+2+1+4)} - \overline{I_1(2+1)} = -12+4 \Rightarrow -3\overline{I_1+1} + \overline{I_2} = -8$$

$$9I_1 - 3I_2 = 10$$
 $\Rightarrow 9I_1 - 3I_2 = 10$
 $-3I_1 + 15I_2 = -8 \Rightarrow \frac{-9I_1 + 45I_2 = -24}{0}$

$$9J_{1}-3(-\frac{1}{3})=10$$

$$\frac{1}{2} = \frac{1}{3} A$$

$$V_A - V_B = i_3 R - (-4) = 5,33 V$$

