LITE CLASS

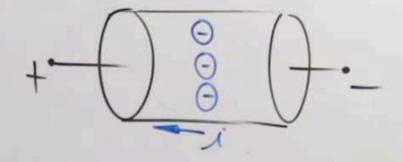
ELECTRODINAMICA

ESTUDIA LAS CARGAS ELECTRICAS EN MOVIMIENTO.

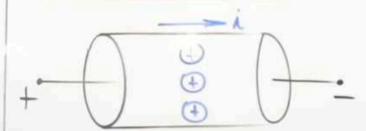
CORRIENTE ELECTRICA:

Fluto DE CARGAS ELECTRICAS QUE PASAN POR EL CONDUCTOR.

CORRIENTE REAL



CORRIENTE CONTENSIONAL

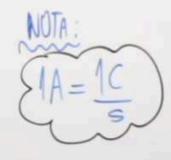




INTENSIDAD DE LA CORRIENTE ELÉCTRICA (1)

$$\left(i = \frac{q}{t}\right)$$

9: CARGA ElèCTRICA (COULOMB = C)



t: TIEMPO(S)

i: INTENSIDAD DE LA CARRIENTE ELECT. (AMPERE=A)



LEY DE OHM:

AV: VOITAJE O DIF. DE POTENCIAL

P= RESISTENCIA ElécTRIA (OHMIO= R)



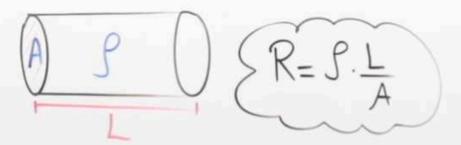






V: VOITATE (VOLTIO)

LEY DE POULLIET;



L. LONGITUD (M)

A: AREA DE LA SECCIÓN TRANSVERSAL (M2)

P. RESISTIUI DE EFETRICA (J2.m)





POTENCIA CONSUMIDA: (P)

P=V.i P=i²R S.t. P=v² P(Watt=Vadio)



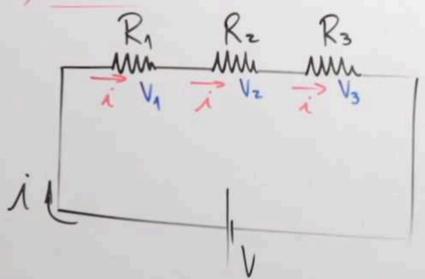


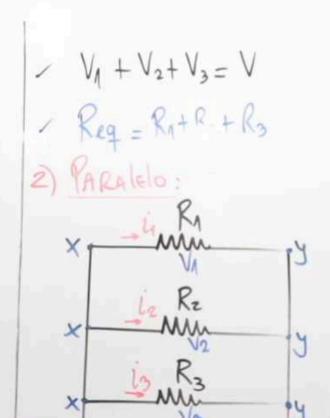


LITECLASS LASS

ASOCIACIÓN DE RESISTENCIAS EleCTRICAS:







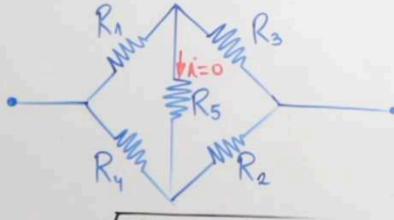


$$V_{1} = V_{2} = V_{3} = V$$
 $\dot{A}_{1} + \dot{A}_{2} + \dot{A}_{3} = \dot{A}$
 $\dot{R}_{1} + \dot{R}_{2} + \dot{R}_{3} = \dot{R}_{eq}$
 $V_{1} = V_{2} = V_{3} = V_{3}$
 $V_{2} = V_{3} = V_{3}$
 $V_{3} = V_{3} = V_{3}$
 $V_{4} = V_{2} = V_{3} = V_{3}$
 $V_{5} = V_{3} = V_{3} = V_{3}$
 $V_{6} = V_{6} = V_{6}$
 $V_{7} = V_{1} = V_{3} = V_{6}$
 $V_{8} = V_{1} = V_{$

/ Si "n" RESIST. IGUALES.

LITE CLASS LASS

PUENTE DE WENSTHONE :



Sii (RxRz=RxRy)

-> R5 SE DESCONECTA.



1) LEY DE " JE NODOS :

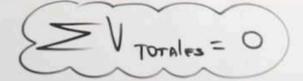


Ry Remis

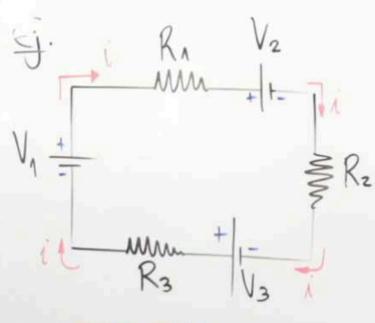


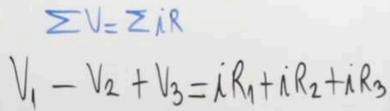
ELITE CLASS

2) Ley Delos VolTATES O MALIAS :

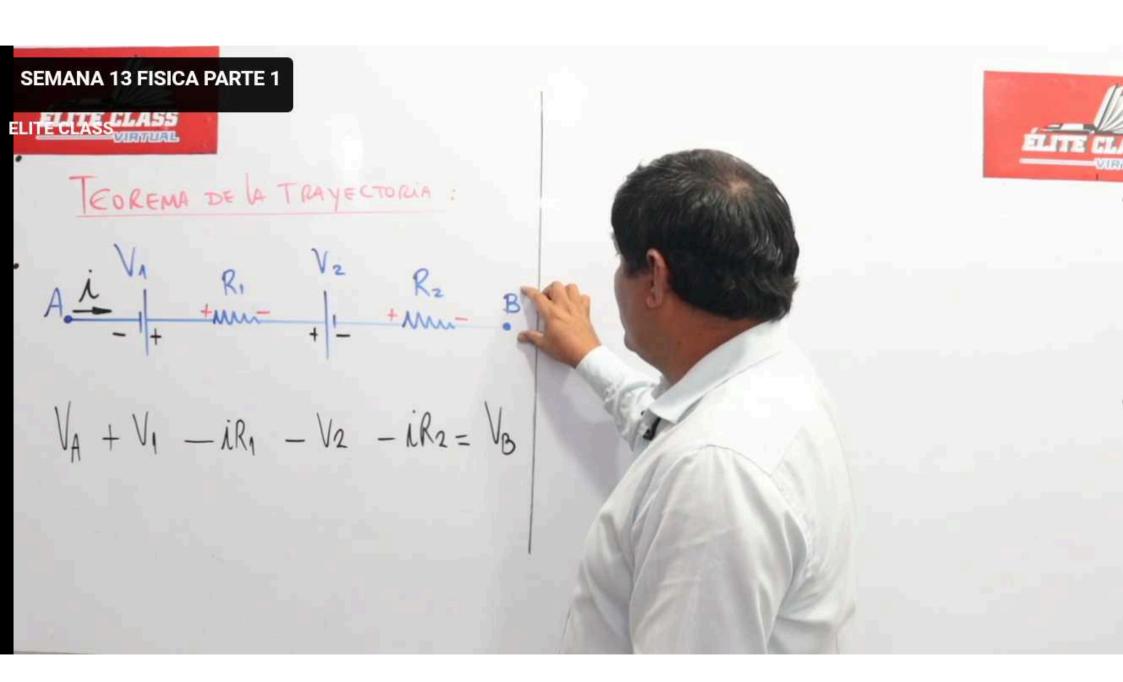


CIRCUITOS SIMPLES









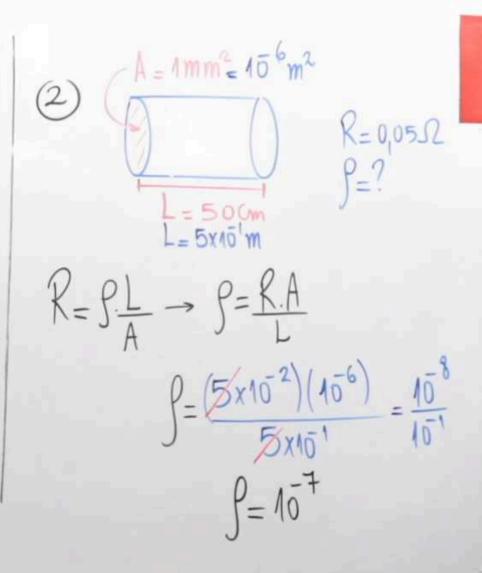
LITECLASS CLASS

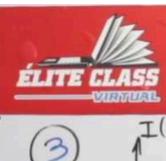
1
$$i = 16mA = 16 \times 15^{3}A$$

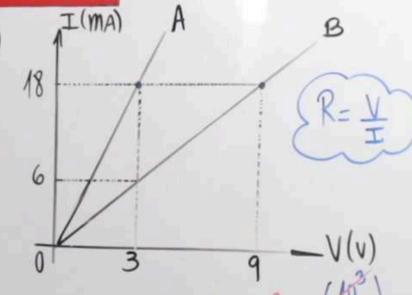
 $i = 10min = 600s$
 $i = 10min = 100s$

*)
$$9 = i.t$$

 $9 = (16 \times 10^{-3})(600)$
 $9 = 96 \times 10^{-1}$ C
*) $11 = 9 = 96 \times 10^{-1}$ C
 $161 = 1,6 \times 10^{-19}$ c -1



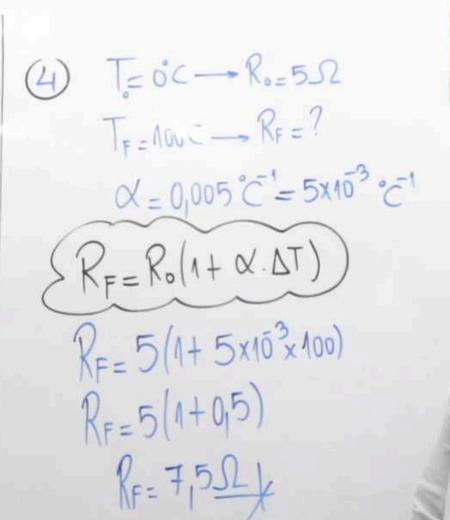


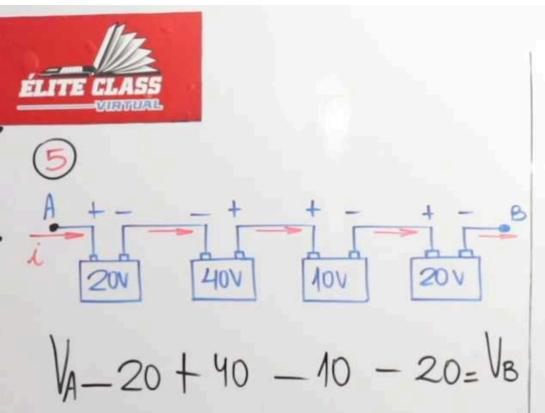


$$R_{A} = \frac{3}{18 \times 10^{-3}} \Omega = \frac{10^{3} \Omega}{6}$$

$$R_{B} = \frac{9}{18 \times 10^{-3}} \Omega = \frac{10^{3} \Omega}{2}$$

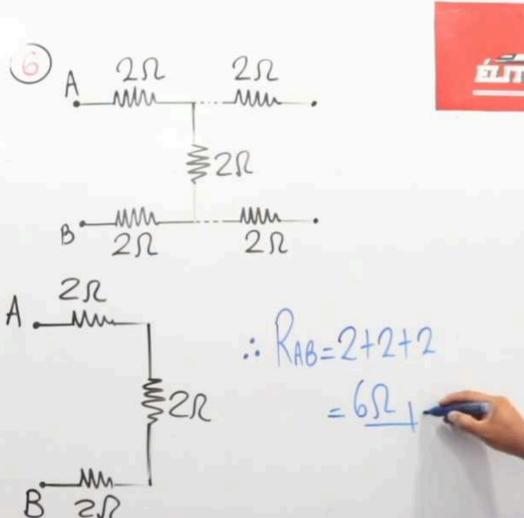
$$\frac{R_{A}}{R_{B}} = \frac{\binom{10^{3}}{6}}{\binom{10^{3}}{2}} = \frac{2}{6}$$
 $= \frac{1}{3}$

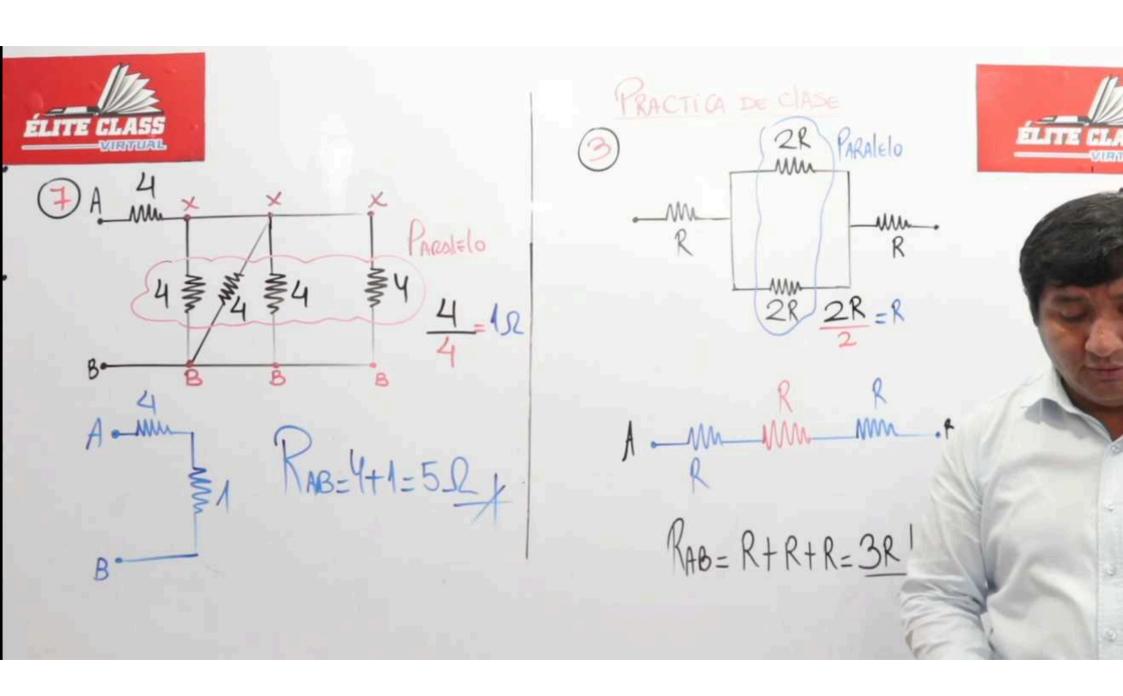




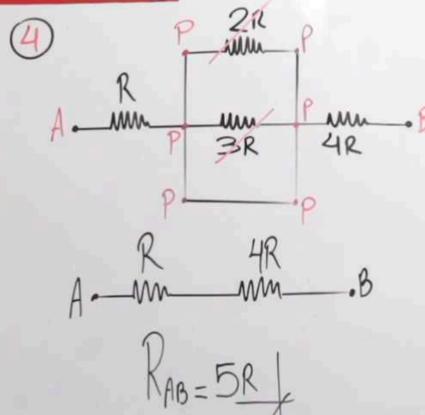
- VA-VB=10v

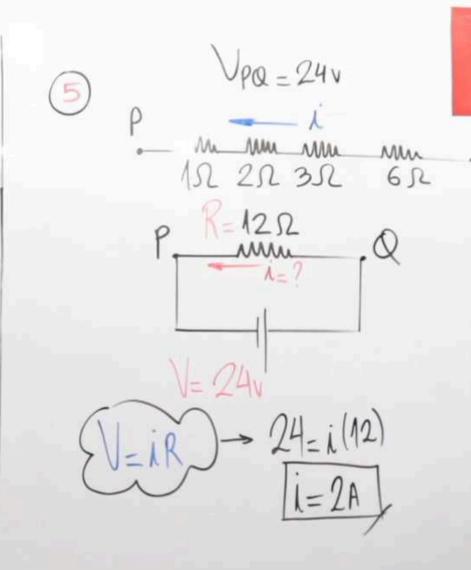
VA - 10 = VB

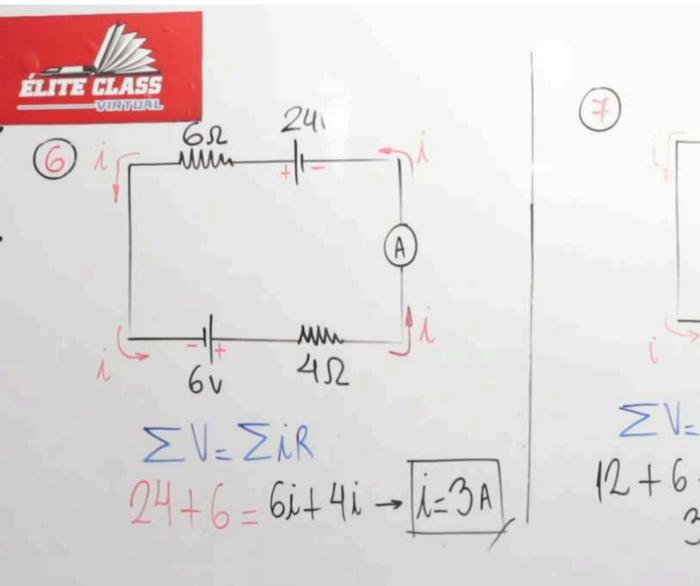


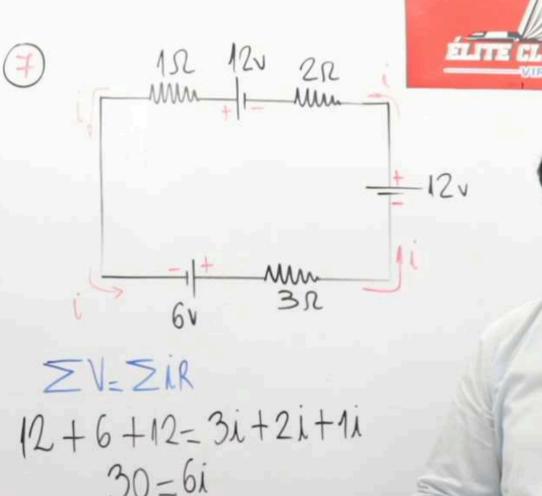


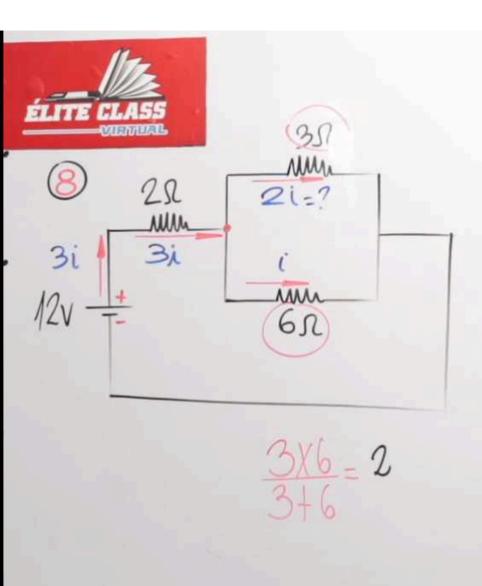


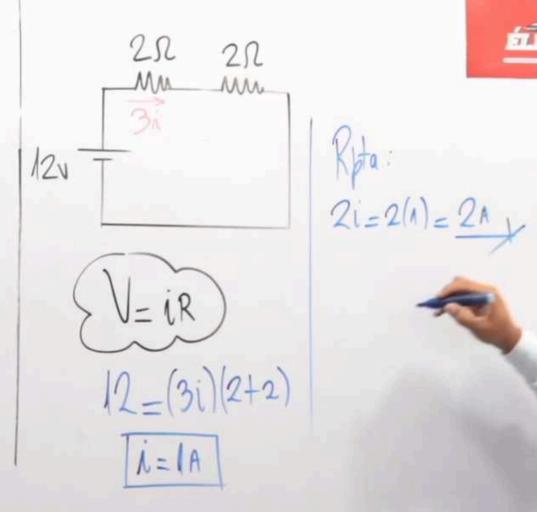




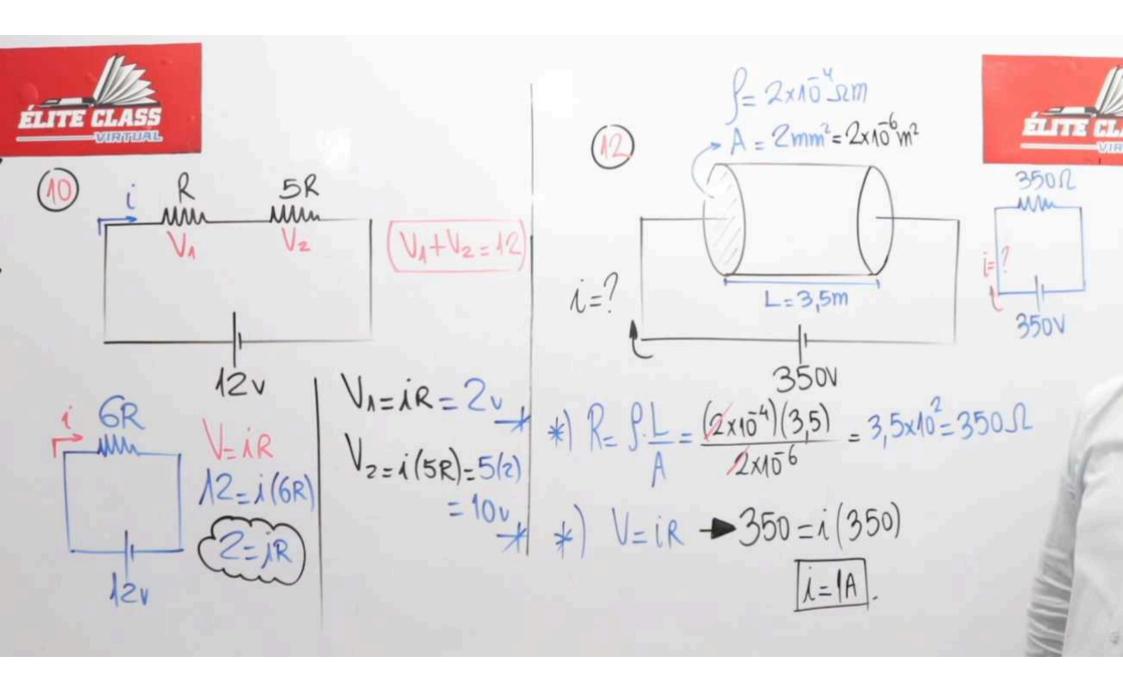




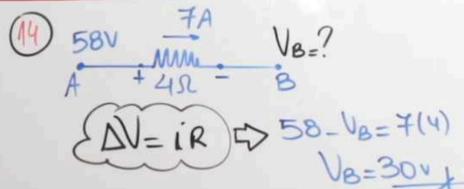


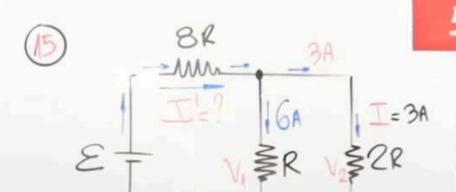












$$V_1 = V_2$$
 $I' = 3A + 6A$
 $6R = I(2R)$ $I' = 9A'$
 $I = 3A$

