P45/012 FE FA VEY I RZ I 4 3 V1 200 (H) fuente de cocionio V1-V2=LdE V1-12 =0 en consulu condensavox V1 -11- V2 on contre C= Q VI-VZ) Q = (VI-VE) ()

ORA= ZKAL b R2 \$ 20 \$ R3: 2K-R 1ª ley. Nudo A I1 = I2 HI3 Nodo B IZ+E3=I1 1-09 malla 1 3 - VR1 + I = R2 = 2KA -0 3 - [2=1] to Ra voy en contra de la contiente 2 K 12 & es un carm en este Malla Z 0 = 13. R3 + (- IRz)-2/5/2 713-21750 T3= [2 0

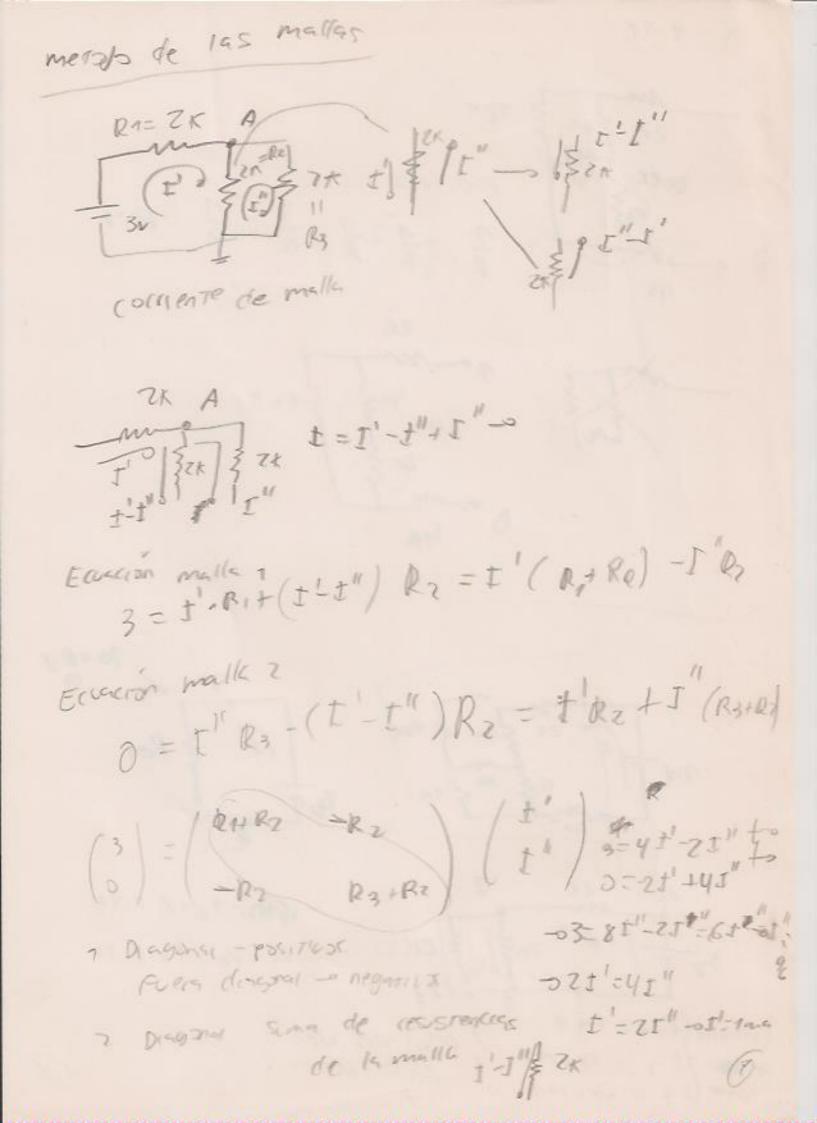
213-212-0

3 -tz=tz+tz- 3 = 3tejt == 1 mat

V= t Q " " i' ic V= MAKA

[1 = 1ma

76-9-18 Pacs (01) 7 = 1 = 3 = 3 = 2 VA-VB= 12-2=10 Vc-Va=tyiz=ZV Coccente I 1= 1m 4 } (15/ 100 de



3 Frees diegonst. Rosistances coming mal/97 1= +16-3t210t3 mall92 2=35+1212-135 mg 1/4 3 malla 1: Vx = I7 (244) - 4/2 0 = - 174 + Tz (2+4) I1=3-1A -> 0=- 15 16 IS - 12: # - 5W J1-30A Vx = 6 21 - 4-12 - 19 -8-6V

wetdo de las nucla metalo de las nucla metalo de las nucla 3 + 0 - VA + 0 - VA $3 + \frac{0 - VA}{4} + \frac{0 - VA}{2} = \frac{3}{4} V_4 \circ V$ $3 + \frac{3}{4} + \frac{3}{4} = \frac{3}{4} V_4 \circ V$ $4 + \frac{3}{4} = \frac{3}{4} V_4 \circ V$

Equivalence the Quanta

In CIRCLE D

15 to Japan des

The minates A, B

Para SESTIMESE

PER MA CENTE

Can Uth en save

Can may 10315 Force

R 14

1° anulamos AC Prenta 2° carculamos Rog PATRE POB

19 unlation 10 I + 5 + 3 = 34 + 13 - 20 + =

0

$$\begin{vmatrix} 5 - 40 - 20 \\ 0 & 25 - 5 \end{vmatrix} = 4525$$

$$0 - 6 & 34$$

$$\frac{1992}{7}$$

$$\frac{1}{30}$$

$$\frac{1}{30}$$

$$\frac{1}{7}$$

1200
$$\sqrt{100}$$
 $\sqrt{100}$ $\sqrt{100$

$$\frac{1700}{40} = \frac{50}{40} \cdot \frac{5}{40} = \frac{100}{40}$$

$$\frac{1}{1} = \frac{50}{40} / 5 = \frac{100}{40}$$

$$\frac{1}{1} = \frac{500}{40} / 3 = \frac{500}{100}$$

$$\frac{1}{1} = \frac{500}{40} / 6 = \frac{500}{706} = \frac{500}{100}$$

$$3 = 3 t_{1}^{"} - 2 t_{2}^{"}$$

$$-2 = -2 t_{1}^{"} + 5 t_{2}^{"}$$

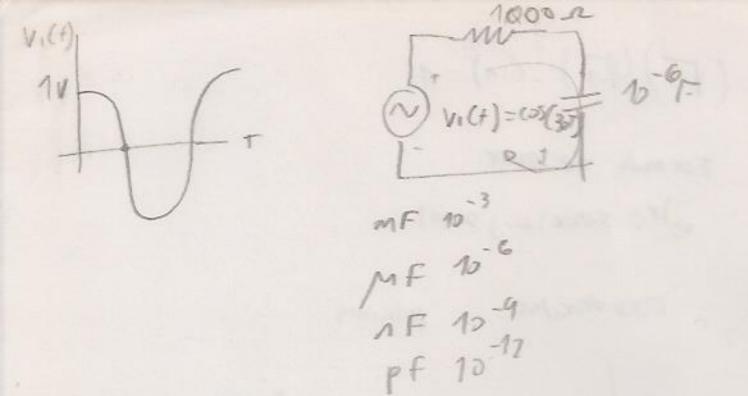
$$-2 = -2 t_{1}^{"} + 5 t_{2}^{"}$$

$$-3 t_{1}^{"} - 5 t_{2}^{"} + 5 t_{2}^{"}$$

COXCRATE ATTERNA

bobma
$$L$$

$$V(t) = L \frac{d_1(t)}{dt}$$



Kirchoff

$$CD(30T) = 1000 i + VC = 1000 \cdot 10^{-60} dV_C + VC$$
 $\dot{T} = C \frac{dV_C}{dt}$

Pocque estan en sace

qualities said voltage es una runción de tiempo

Numeros completos

$$\chi^{2}+1=0$$
 $\chi^{2}=1$
 $\chi=1 \ [-1=\frac{1}{2}]$
 $\chi=1 \ [-1=\frac{1}{2}]$
 $\chi=1 \ [-1=\frac{1}{2}]$
 $\chi=1 \ [-1=\frac{1}{2}]$
 $\chi=1 \ [-1=\frac{1}{2}]$

$$(TA)(TA)=(-1)=1$$

For mula de euler

 $e^{jx}: cos(x)+j sen(x)$
 $cosr deredes$ polaros

 $|z|=1$
 $e^{jx}=1$
 $e^{jx}=1$
 $e^{jx}=1$
 $e^{jx}=1$
 $e^{jx}=1$
 $e^{jx}=1$
 $e^{jx}=1$

 $G = |z| (35) \approx 36$ $(35) (35) \approx 36$ $(35) (36) = \frac{9}{|z|}$ $(35) (36) (36) = \frac{9}{|z|}$ $(35) (36) (36) = \frac{9}{|z|}$ (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (37) (3

Z = 121 (25 (919 2) +) 12/ sen (919 2)

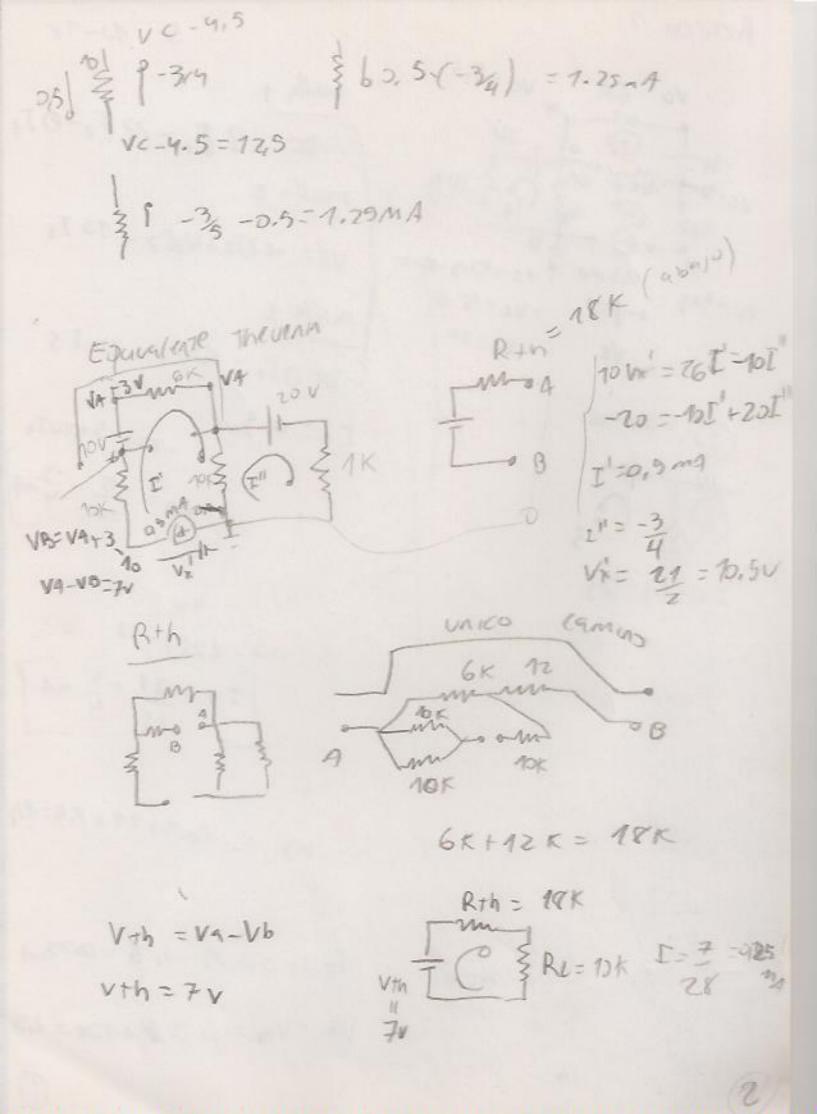
e) arg z

Z - 1 2 1 e = 916)

Farma bonoma,

Polal

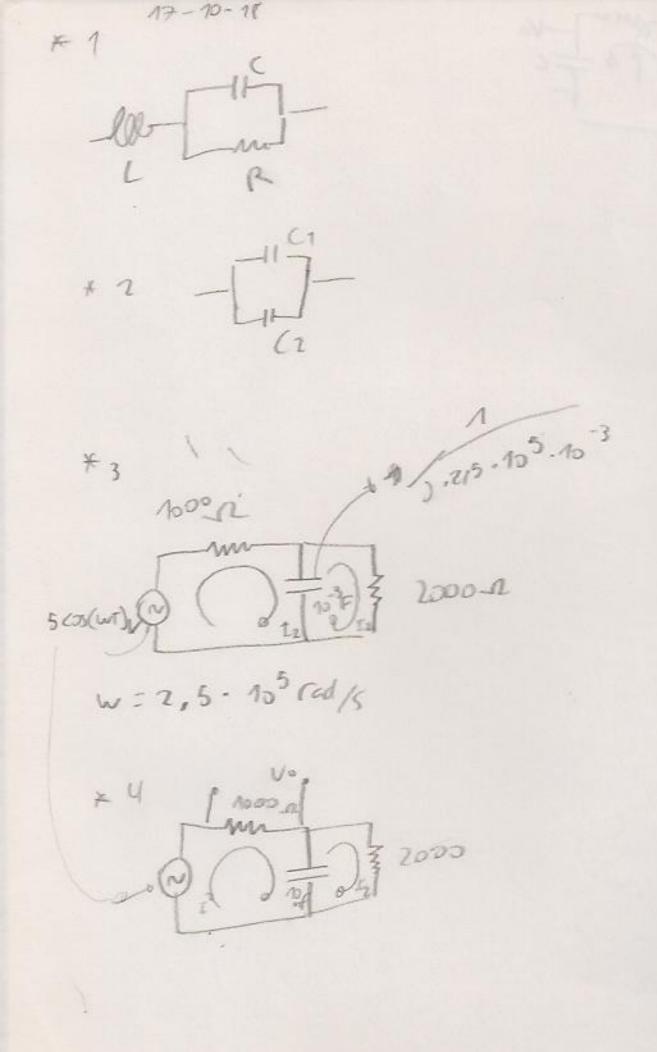
Reacion 1 5-12-18 malla 1 10= 28 I, -22 Iz-0 I3 mallaz VX= -27/4+4/27- 10 I3 -VC-17=0 malla 3 VC:17 -20.0[1 - 10[2+70]3 [2=0,9MA 30= 5+2013 13= -15 = 74 I2-13:25 0 10 = 28 E1 - 11 11=21=3 +A > VX = -16.5+21+7.5=12V B A II-te = 0.75 -0, 5 = 0,23,04 VA - VB = 0, 25 # 3/28 = 250 In



10-40-18 *1 mm bobina condense

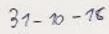
V = L di
(55 (307)

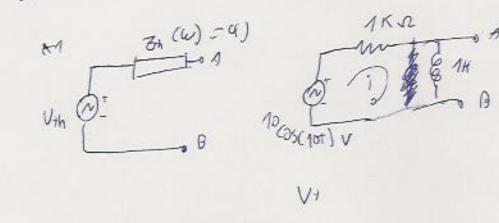
×2 -11cos(10+)V

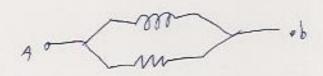


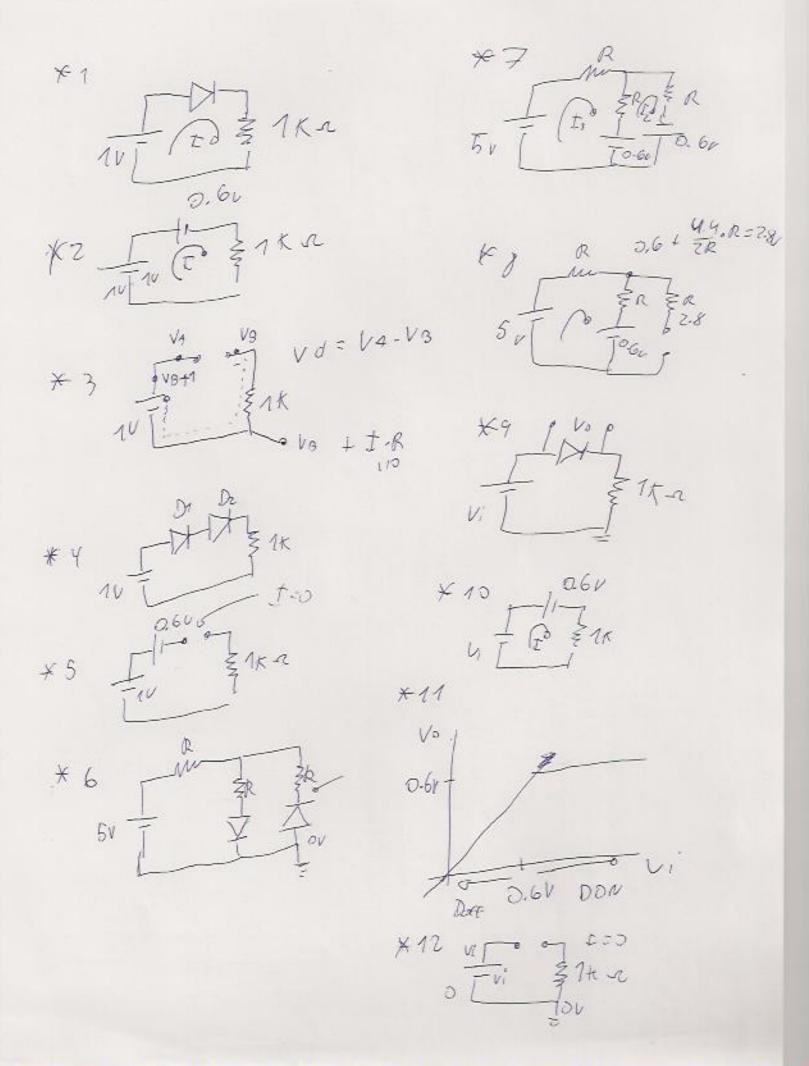
45 FW 100 T-C

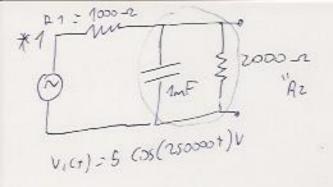
18-10-11 19-10-18 VA 97 RTh 0 B VA-16 (015-4-20Ka) 3/3 (5) = Vg × 3 NZK 100 \$ 03 ZOK P

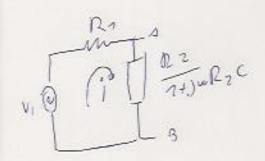


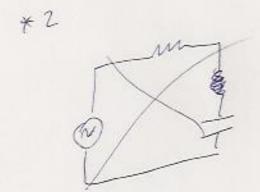












VIE (1) WL + 1 Juc