1) 2V (174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-(174,74-

Bois Ayjildiz

$$\beta = \frac{Ic}{Ig} = 38.3$$

8)
$$\frac{3ix}{5} = \frac{4A}{5}$$

$$4A \qquad \frac{1}{5} = \frac{4A}{5}$$

$$3ix = 80 - 2 = 12A$$

$$3ix = 12A$$

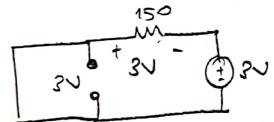
U0 = (92 U

- 0100 VC=10-5-98

Boris Ayyıldız 1901017252 21) By the kirchald's Vollage Law (kul) sm of the voltages in a crait is zer & Vi = 0 I=Za 13) After many time, capacitor stores all the roltabe 37 7 37 14 acts

V-I.R=D

like an open circuit 14) At Steady Stage to Vison = 3V



9)
$$N = \frac{L}{R}$$
 for $4>0$
 $L=0.5$
 $A = 0.5 = 0.15 = 10 \text{ MS}$

Boris Aygildiz 1901042752 B. Appelole

$$i(0) = -20A$$

$$i(0) = -20A$$

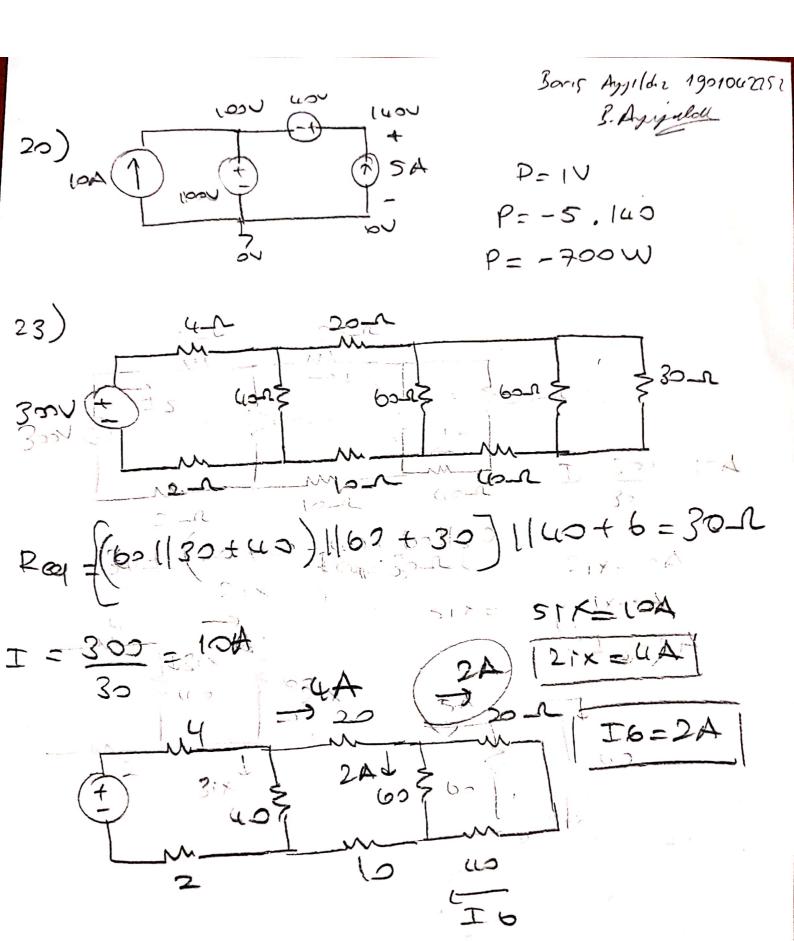
$$i(0) = -20A$$

$$(8) x = \frac{P}{2L}, wo = \sqrt{\frac{1}{LC}}$$

$$\frac{R}{2.125\times10^{-5}} = \sqrt{\frac{1}{125\times10^{-3}.0.32\times10^{-6}}}$$

$$\frac{2.03}{250} = \sqrt{\frac{10^8}{447}} = \frac{10^4}{2}$$

$$\frac{2.10^3}{250} = \frac{5000}{1250} = \frac{1250}{1250}$$



Boris Ayyıldız 301 = 0.75 A 1 eop 2 (sp 2 5-5412+1-3112.6=0 87 (1.8) (0.75) + - (3111) .6=0 6 = 240il 16-0.025A = >6.654U-465=0 I =0 A D2=0FF D1 = ON (IMA goes through) V= 15-56-R1MA V=10V