ODEV-5 GOZUMLER

$$I_{C1} = I_{R1}$$
,  $\frac{1}{1 + \frac{2}{\beta F}} = 2 I_{E2}$   $I_{C5} = \frac{V_{C6}}{I_{C4}} = \frac{10}{10L} = 10A$ 

$$I_{12} = 103, k_{MA}$$
  $I_{C_{4}} = 2I_{E_{2}} = 2.103, 6 \cdot \frac{30!}{300} = 207, 9 \mu A$ 

b) 
$$\frac{V_0}{V_1} = \frac{V_{e2}}{V_1} \cdot \frac{V_0}{V_{e2}} = \frac{\frac{|P_3||I_{02}||P_{is}|}{2!e2}}{2!e2} \cdot \frac{\frac{|P_4||\Gamma_{05}}{|\Gamma_{e5}||P_{is}|}}{|\Gamma_{e5}||P_{is}|}$$

$$re2 = \frac{V_{T}}{1} = \frac{26}{0,1039} = 250, 202$$
  $res = \frac{26}{4} = 260$ 

$$I_{E2}$$
 0,1039  
 $I_{O2} = \frac{VA}{A} = \frac{50}{103.6 \times 10^{-6}} = 482,610$ ,  $I_{OS} = \frac{V6}{103} = \frac{50}{103} = 5014$ 

$$\frac{v_0}{v_1} = \frac{v_0^2}{v_1} \cdot \frac{v_0}{v_2} = \left(\frac{v_1^2 L / v_1 v_2^2 c_1 k^2 / v_1^2 v_2^2 c_2}{2 v_1^2 v_2^2 c_2^2 c_2^2}\right) \left(-\frac{10 L / v_0 L}{2 c_1 + 1 v_0}\right)$$

$$R_{05} = c_{05} \frac{\beta_{F}(R_{5}+R_{5})+R_{3}}{\beta_{F}(R_{5}+R_{5}+R_{3})} = 50 L_{300}(100+26)+47L$$

$$V_n = 6 - 0.3 = 5.7$$

2)
8) 
$$A_0 = \frac{V_{01} - V_{02}}{V_{11} - V_{12}} = \frac{2}{3} (MRR^{7})$$
 $I_{01} = I_{03} = \frac{I_{02}}{I_{02}} = \frac{1}{3} A_{01}A_{02}$ 
 $A_1 = \frac{V_{01} - V_{02}}{V_{12} - V_{12}} = \frac{1}{3} A_{01}A_{02}$ 
 $A_1 = \frac{V_{01} - V_{02}}{V_{12} - V_{12}} = \frac{1}{3} A_{01}A_{02}$ 
 $A_2 = \frac{V_{01} - V_{02}}{V_{12} - V_{12}} = \frac{1}{3} A_{01}A_{02}$ 
 $A_1 = -\frac{V_{01} - V_{02}}{I_{01}} = \frac{1}{3} A_{01}A_{02}A$ 

T3 'un boiz gernminden horelette:

$$= 200.2h - 100k.56,5MA - 0,7$$

$$100k + 10k.201$$

b) Kaskart Luncetlendiricinm gerllum Lazancı battarın
Lazancı lanının garpımınan ezithir. Iziden olurun denre
emeter gilizli bir Lunuahlendiricidir. Bu devrenin
gerllum Lazancı

$$K_{13} = \frac{R_6}{r_{3} + R_6} = \frac{10^{4}}{r_{14}9 + 10^{4}} = 0,998$$

Von Layrolla denom genter borner, 13 ton borandon

görülen dirende de belielen. Bu dirend;

fiz = B (1ez+ fo) = 200 (14,3+106)= 2002 (12

13 won lizaren gerilm lozaren Luz = Rull (i3 = (100k //2002k) ~68,8 212+ Rs 2x4422+ 100k Lu= Luz-Luz= 68,000,008 = 68,67 Of= 2/1/12 (iz) = 2/2/19/19/19/200-4/202 +100 K = 276,860 (i = 100 L //276,8 k ~ 73,4662 Kumetlendiriania alle direnci) cretti cubelli bir derre olan T3/20 eretormen görülen direnatur. Bu direna 103/-103t fg = 14,912+100k to = P6// 13/