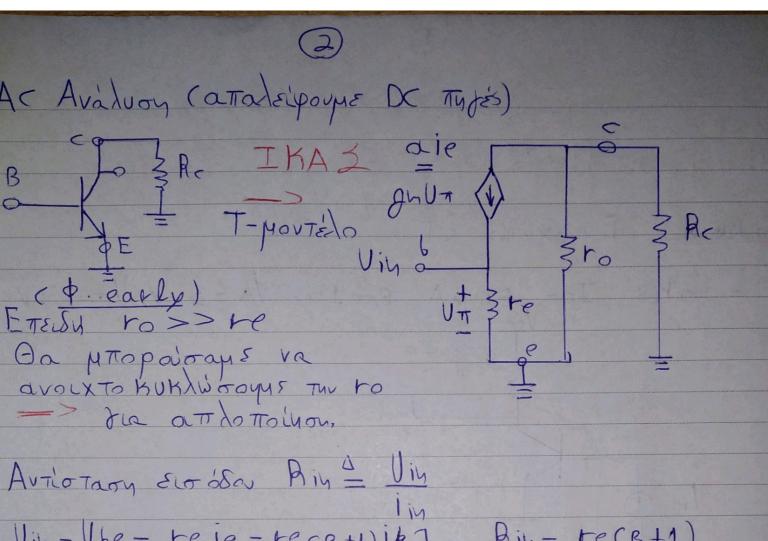


Kwrotartiros Iwarra (2021-2022)
0319840
HAEKTPORKY II- L' Segor Aokyoeur Aongon I Evioxumb CE Ac = 20 K2, Ic = 250 MA, B = 100, VA = 100V, VT = 250 Red Ic Vin (2) Rout Λύση · DC Ανάλυση Έστω ότι είμαστε στην ενερβό περιοχή του β ΣΤ τότε ΙΕ = Β+1 Ις Β Apr IE = 252,5 MA KOL IB = IC = 25 MA Παράμετροι ισοδύναμου μοντέλου-Τ re = VT = 99,0012 | Tapatypoigns IE ro = 1VAL => ro = 400 K2 | To >> re $\Delta \log W_{yyn} \delta T_y T_a = g_m = \frac{\Delta}{V_T} = g_m = 0,01(\frac{1}{2})$



Autiotary Ecoóson Rin = Vin Vin = Vbe = reie = recB+1)ib] = Ain = re(B+1)

-> Bin = 9,999101 K2

Autiotary E3080 Pout = UX Vin =0
IX PL>+00 AUTIO TOWNS

AUTION

BLETTOUMS OT BROWNHAWANS

THE PROPERTY OF THE SAS UT =0

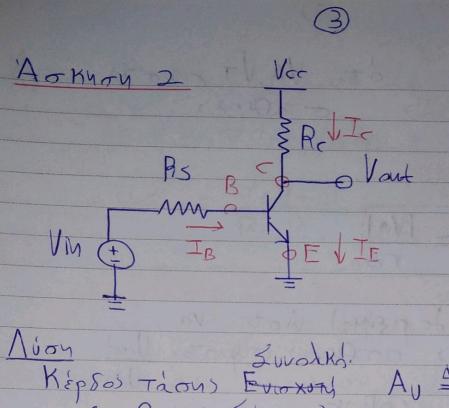
HE UIN =0 OTTOTE

JANUTE = 0 -3

My SEV LZOMES & 3. TUPLY PERMATED

APRITUM SEV LZOMES & 3. TUPLY PERMATED PICITION IN BOUL - UX - PIC- TO -> PROUT = 19,0476 K2

_ Av ro→tro, Prout = Rc=20K2.



Mépsos Taous Evroxons Ay = Vout

(ao Devois Sypatos) Vin

TKAS Ps alie & Mic

Vin E The Shie Te Shie

Vout = - ie (Pallro) = - a ie (Pallro) NTK Vin = - [Psib + reie] = - ie (Ps + re)

Vout = d (Rellro) d= B Vin Bs +re Bs+CB+1)re

B+1

Psipa Sulénty Ic (atto Tutológio - Tyartilo)

re = B VT -> IC = B VT
B+1 IC
B+1 re

P

Aropy to = IVAI OTROVA, VT juvotés (=) Ic = IVAI
ro OTOTE

IC- B VT - IVAI

B+1 re ro Na Brefei y Ic (de pégne) wote va éxoupe péroto répso) actoros organtos Vout, Revo Vout B Retro (BRe)ro

Vin As + CB+LIVE (Retro) (RS + (B+L) re)

ro = IVAl

ro = B VT (RetVAl I) (AS + B VT)

B+LIC = BRCIVAI-IC = Uo = P(Ic) CRCIC+IVAI) * (BVT+PSIC) Vih OTON VT=25 mV OF OFP SWYNOTLON Vo = BREVAICE = F(Ic)
Vin = (BeIe+VA)(BVT+PSIe) = F(Ic) UC = BRCVA Vin [ITC(ASRC) + (ACVTB + ASVA) + VAVTB IC



