Atinidade - Eletronica Anológica Lista de Teongiptoja I3 = 30V - 0, 7V 7 I3 = 28, 384A $T_{C} = 28,38 \text{ AA} \cdot (200) = 5,64 \text{ mA}$ $V_{CE} = 30 \text{ V} - (5,64 \text{ mA}) \cdot (820 \text{ N}) = 5,38 \text{ V}$ $P = 5,38 \text{ V} \cdot 5,64 \text{ mA} = 30,34 \text{ mW}$ VCE = SV = 10,64 NA 10,64 = 470RR Veepol = OV (2) a) KB = 47K1 Rng= 500 IB = SV - 0,7V = 93,49MA Icpot - SV = 30,64 MA 30, 64 MA = 0, 316 BCC 4 20 per juya, esta justuruolo VCG = OV

b) VBB = 30 V & nje = 500 IB = 30V - 0, 7V = 33, 68 MA Icpot = SV = 30,64MA 30,64 NA - 0,777 BCC ≤ 20, ren paga, está poturado VCG = OV c) Kc = JOKA e n/e = JOO IB = SV - 0,7V = 6,32NA I cyst = SU = SOOMA SOO MA = 79, 11 S e Bcc > 20, tronsciptor utimo Tc = 300 · 6,32 MA = 0,632 mA tilibra VOOOVOOOVOOOVOOO

VCB < 0, seu grega, está gosternoda VCG = OV a) Vcc = 30 v e n/e = 300 IB = SV - 0,7V = 6,32 NA Icpot = 10V = 21, 28 MA 23, 28 rA = 3, 367 6, 32 NA BCC 6 20, un juga, justinados VCE = OV 50) I 200 = 3, 8V - 0, 7V = 11 mA VC = SV - VLED 6º) Vez = SV - 0,7V - 0,7V = 3,6V Te2 = 3,6V = 36 mA = Tc2VC62 = 30 V - 3,6V = 6,4V *0000*000000000000000 [tilibr . .

89 116 = VRZ = 250. 2,2KN = 4,8JV
2,2Kn + JOKn
Ve = 4, SJV - 0, 7V = 3,8JV
7 3 7 6 3 7
Ie = 3.8W = 3.85 mA
- 3KN
nogiat stius:
Ic = Ie
Ic = 3,81 mA
VC = 2SV -3,6 Kn · 3,81 mA =
Vc = 11, 28V
(39) V = DOV · 2,2Kr = 1,8V
$\frac{2}{2}$, $\frac{2}{2}$ Kr + $\frac{10}{2}$ Kr
α_{1}
11 11 15
Vne = Va, 2x - 0,7
3,8V - 0,7 = 3, 1V
I6 = 3, 10 = 1, 1mt
- SKA
negoà stiva:
To = Ie
JOV = 1KA · J, IMA + VGC + 3,6KA · J, IMA
Vec = 30V - 3,3V - 3,96V
VGC = 4, 94V (regrot stime the tronfyster)
> VC = 1, 1 mA · 3,6 Kn = 3,96V
VB = 30V - 3,8V = 8,2V
woodoodoodoodood tilibra
Cilibia

$Te = T_{2000} = Sis V = 27, SmA$ region stive:							3 01
Ilea	= To =	Te =	27,5	mA		No.	Ting II
					1/25		
						- 5-4	
				42.2		130.3	
				And		42.5	