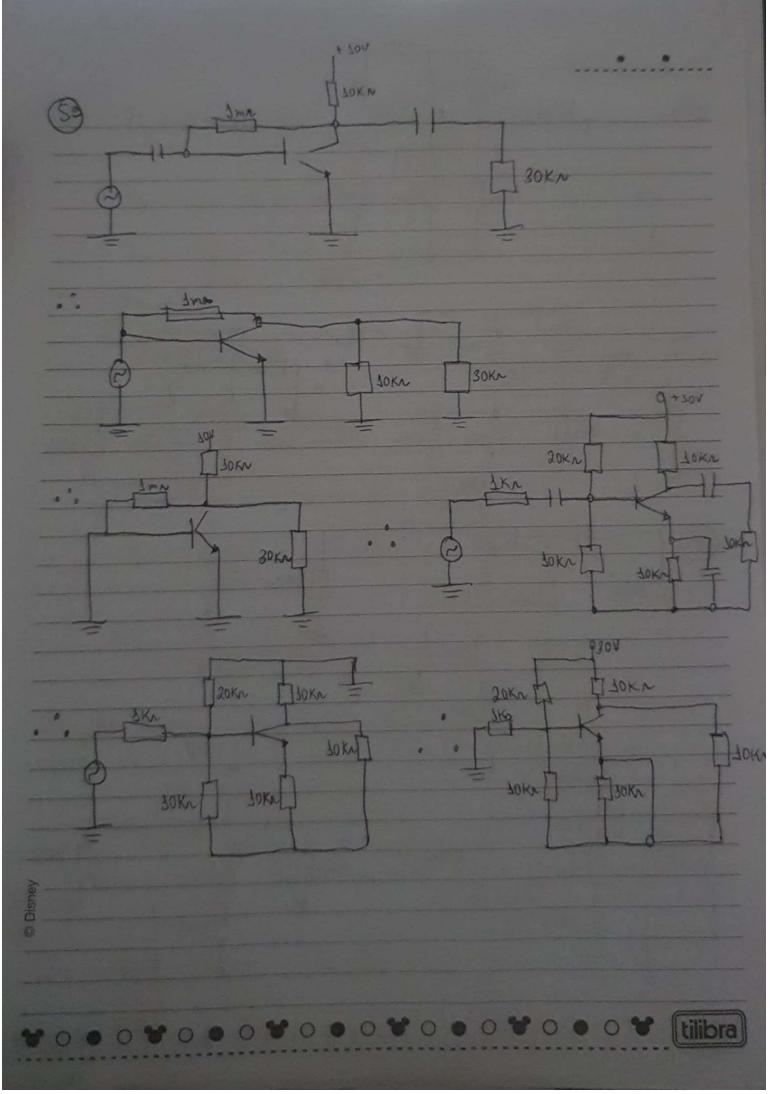
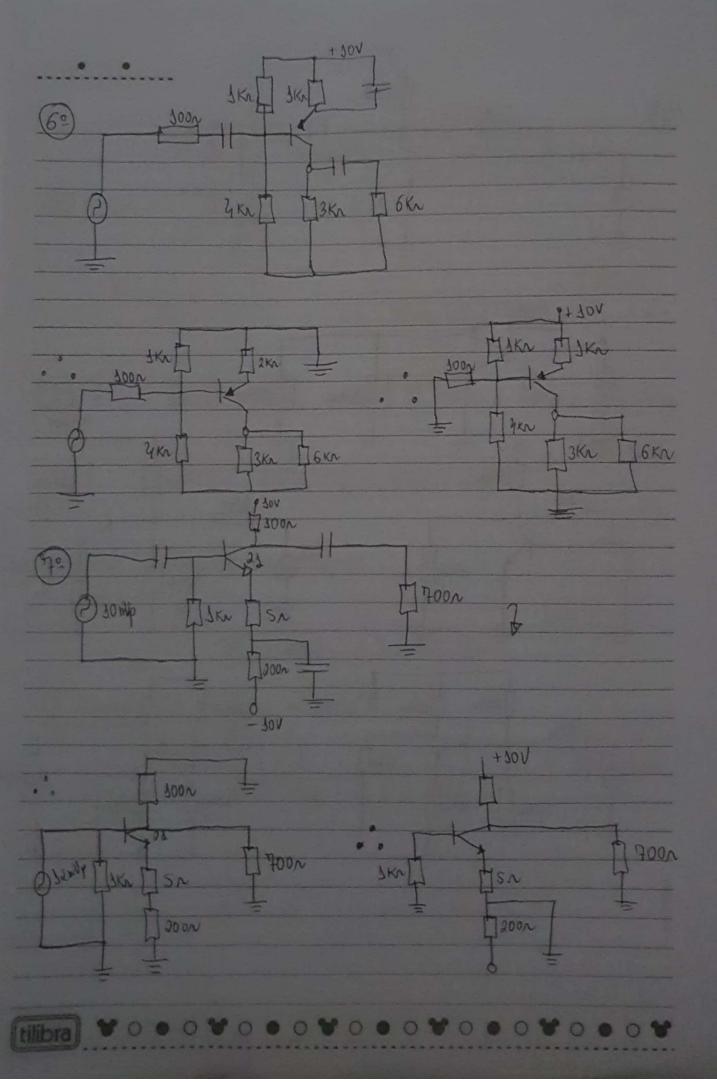
Estradode CA distanta C = 1 = 3,78/F 3T1 - F · 0,3-R = 2T1 · 300 Hz · 0,1 · 4 KA (2) Kan = 30Kn + 30Kn 11 20Kn 11 40Kn 11 40Kn = 17, 5Kn = 181,77F (39 Plag = 500n 11 30kn=476, 2~ C = 1 = 167, 11 pF (43 Rsg = 4KN /1 3KN = 800N C = 1 2T1 · SOHz · D, 1 · 800 N = 198, 9 MF 





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89 I) VB = VSOKN = 30V. 10KN = 10V Ve = VB - 0, TV = 9,3V IG = Ve = 9,3V = 0,93 mA 30KN JOKN r'e = 25nv = 26,88n 0,93 mA I) VRN = JOV · JKN = 2V JKn + 4Kn Vre = Vska - 0,7V = 2V - 0,7V = 1,3V Ic = 1,31 = 3,3 mA +12= 25mV = 19, 232 3,3m4 (99) JOV = JOKA. Ic+ JMA . IB+0,7V regioà stiva: In = Ic 30V = 30Kn. Ic + 1mn + (IC) + 0,7V Ic = DOV - 0, 7V = 0, 465 mA  • •

Ie = 0,465 mm

 $r_0' = \frac{25mV}{0,465mP} = S3,76n$ 

(30°) VB = VJOKA = JSV - JOKN = 2,27V JOKA + SGJAA

 $Te = \frac{2,27 \text{ V} - 0,7 \text{ V}}{5,5320} = 5,05 \text{ mA}$ 

 $\frac{1}{3} = \frac{25 \, \text{mV}}{3,05 \, \text{mA}} = 23,8 \, \text{n}$ 

 $AV = -PC = -6, 2K_N = (-260, S)$   $Y'_2$   $y_3$   $y_4$ 

Vporda = AV. Ventrudu = (-260, S). JmV = (-260, SmV)

13° Ve = 30V. JOKA - 0,7V = 9,3V

Ie = 9,3V = 6,93 mA

 $t_{2}^{2} = \frac{25 \text{ mV}}{0.93 \text{ m/s}} = 26,88 \text{ n}$ 

Zin = 30Kn/1 20Kn/1 B. Ye = 7in = 30Kn/1 20Kn/1 325. 26,88 n = 2,2Kn  $-V_{in} = S_{mV} - 2, 2KN = 3, 43 mV$  -2, 2KN + 3KN $4v = 5v_N = (-387, 3)$ Vpoida = (- 387, 3) - 3, 43 mV = (-642, 44 mV) JS=) V6 = 7,3V IP = 9.3V = 0.92 mltZin = 3032/1 20K/1 242K = 5,08 Kr  $AV = \frac{-SKn}{J2+, J2n} = (-39, 3)$ 1'e = 25mV = 27, 17n Vin = 1 mV · S, 08 Kr = 0, 835 mV 3,08 Kr + 152 r Vpoida = (-39,3) · 0,835 mV = (-32,8 mV)

389 Ve = 350 · 3,9 Kn + 22Kn - 0,7V = 3,56V Je = 3,86V = 0,78 mp the = 25mV =32,05 N 6,78mp Zin = 22Kn // 3,9Kn // \$ · 32,0Sn = 1,63Kn Zin = 22Kn // 3,9Kn // 300 · 32,0Sn = 1,63Kn HV = -(8, 2Kn 1/ 3, 633 kn) = (-42, 4) 32, 05 n $V_{G2} = 3S - 3,9Kn - 0,7V = 3,56V$ Ie2 = 3,560 = 6,78 mA M'2 = 25 mV = 32, DSN 6,78 mA Zina = 22Kn// 3,9Kn// 100. 32, 25 n Zina = 22Kn// 3,9Kn// 100. 32, 25 n = 3,63 Kn VSIKA = Vpokodua = AVa - Vina (- 220, 4). 0, 31 mV = 68, 22 m Vp