مهانم فلامزاده ۱۲۲۲ ۱۲۲۸ و دسم الله الرفعي الرقم به رسال مرى ماريمة VCC = RCPIC+ VCECON+ REIE , IC+IBP = IE VCC = RBIB + VBE (on) + REIE Yo=IC++0,Y+IE & It=lonA , Ic=a, MA, IB=a, YmA Yo = TVIBY+ OIV + IE VE=REIE=Ixlom=10 Vi (VE+VBE(on)=10,1V Yo = 7, 7 II+0, 7 + IF 10-EVIY-9, 17+IE (IE=IC=I1+IX-) IY=0, ENMA VE = REJE = 1 x4,01 = 4,04 V VI > VBE(on) + YE= 01 V + 404 = V1 YE VITE Y VI Y 10,1V VB=7-6V]+=7-6VX0161=-1104V => NB - NE = - 7/04 - 9/01= - 9/1 IC = V(C - VE (Sat) = N-017 = 1,9 and , IB > TC1 = 19,9 MA (10) 13,=V, A+(-V,1 MA)e, 7=R+HXC 01V=VIN-18,90 -> 8= RthC & YV MS VB = VIN+(-VI)-VIN) = Tr = (RB + RallRb)C 01V=V1A-1V,9e t=01YFIW(RB+RallRB)C>, 6.45

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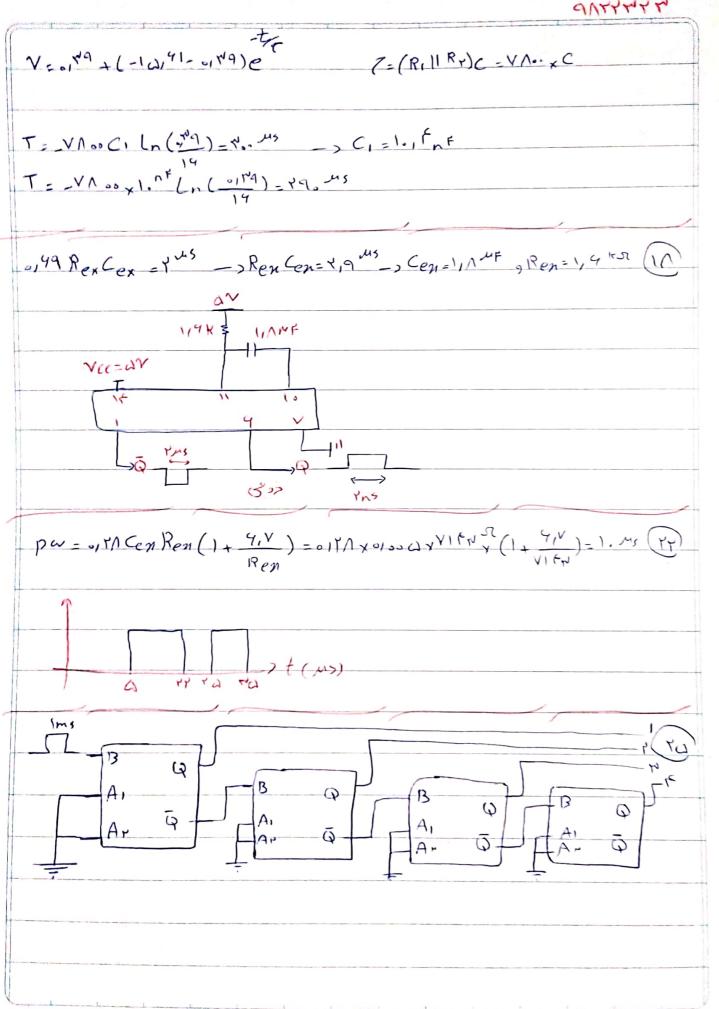
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-> (RB+ Rall Rb) C > arens 2 IB = Vab - VBE(on) >, 19,6 Ms RB+(Rall Rb) 17B(Ra+Rb)+RaPb IB, = 9, N = +40,4A -> IC, = IE, = 13 IB, = +40 mA ITON = OIV = MMA 9 IB= IC, - IN = F9, A-MA = F9, FV MA Ic, = 10-01 = 1,94 mA IB, >, BICY VB1=111e, 7=(10+0)010111F=10.115 9, 4=19,1e 70. -> +=- Ya-In(\(\frac{9, N}{17.1}\))=111. us IB(nax) = ass M , IR = 100 IB(max = 100 x dos nA = as MA (19) Re-Nor -it - 1kg got - NIT x9 -> RI-IVY, CKJ -> M. KJ V= Rr V(= 1,1 x9=,129) Rr=R, 11 Rr=11.11 1.1 = V/14 = V/4 =

8

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Pw=0149 Cen Ren=1ms

Cen Ren=1, tums

Pw=0/49 xy w x 1 x = 1/0 to ms