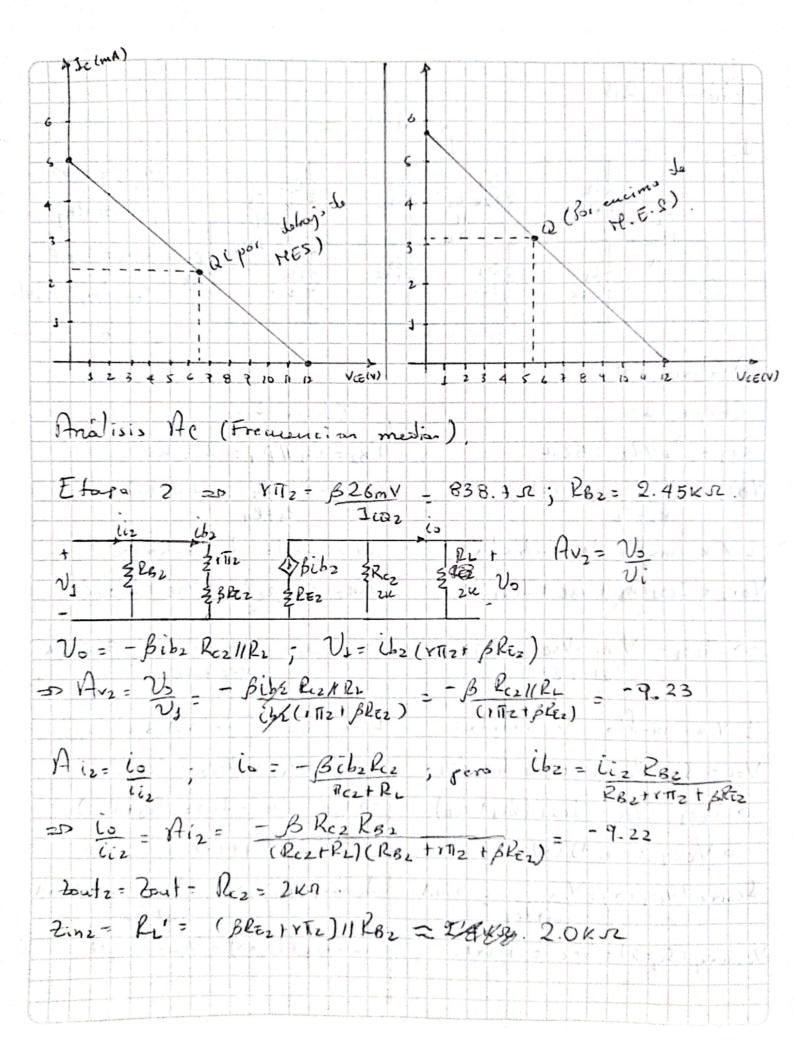
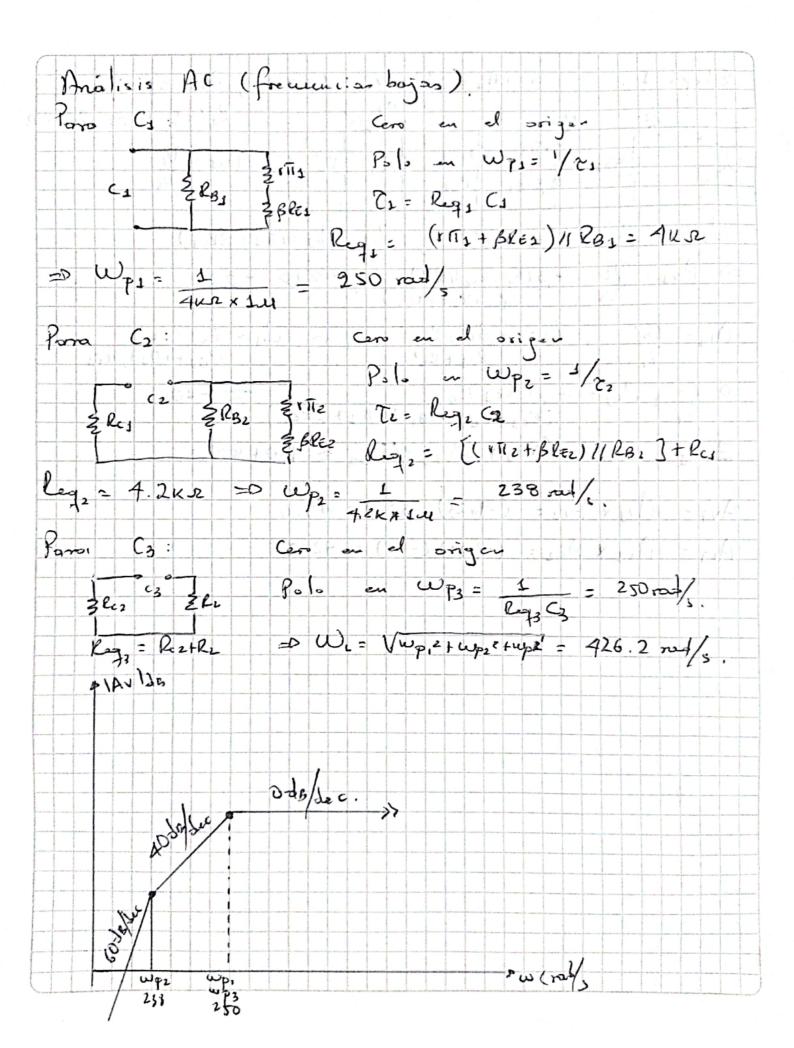
Parcial 2B. Vc==12(U) 1. B. = Bz = 100 22k Cz 2 Rc2 C3 SR2 ZATK fr = soonty Cı 14 ZRL Cbc=10pf Z2k Co: Lapreciable. Lu Elez lis 200 5.6K Analisis D. C Etapa 1: Edapa 2: RB: = P1/1/2 = 5KS2 PBZ = 83 1/ P4 = 2.45KB VBB2 = Vcc R3 = 1.09 (V) VBS = Vcc F1 = 1.28(V) L.V.K mallo de entrada L.V. K malla de entrada: Voos = Icas Ros + Vae + Icas Res VBB2 = Icaz RBZ + VBE + Icaz lez => I(0) = VB1 - VBE = 2.32 mA = 1 (Q2 = VBB2 - VBE 3.1 m A L. V. K mallo de salida: L.V.K malla de salida. Vec - Icazilez + Vezz + Icaz Re. Ver - Icoples + Vers + Icosles = Note = Vec - 2 ca = ( Rez + Vez) => Vee1 = Vec - Iras (lest les) J>VCEZ+ 5.49 (V) => VCE1 = 6.43 (V) Icmax (Vies = 0) = Vcc = 5 mA Jemax (Vez=0) = Vec = 5.71mA Vcemax 2 (1,2=0) = Vcc = 12(V) Viemax, (Ic=0) = Vcc = 12(v).



Avi = Aus x Avz = (-9623) (-505) = 46.6 Air = Aix x Aiz = (-9.22) (-10) = 92.2



Análisis A-C para albanfrecumeias

Cbc1 = Cbc2 = 10pF Wi = 211 x 500 HHz Chej = 9mi , 9mi = 1 = 0.089 =0 Cbe1 = 0.089 ZTX COONH3 = 28 PF 5 CM = Cbc1 (1-Av1) = 10pf (1-(-5.05)) = 60.5pf CH2 = Cbc1 (1-(4/Av1) = 10pf (1-(-1/5.05)) = 12pf Para cbc : CM3 = Cbc2 (1-Av2) = 10pf (1 - (-9.23)) = 102pf CHP4 = Cbc2 (1-4/Av2) = 10pf (1-(-1/9.23)) = 11pF Deduciendo los paralelos se obtiene: Zheys ZCegs JBibs - Cegz ZReg; JBibz ZReg; - Cegz ZReg; ZRiz

Polo gara Ceg = Coq = Cbe, + CM1 = 68.5 pF

Boro Legs // Corto = 0 = D Wpg = 1 ~ 00 (No hay polo). Polo para Cag = Cag = Cag + Cag = 12pF + 38pF + 102pF

Reg = Res // Reg // (1/12+plan) Ceg = J 52pF

Reg = 105 ks = = D Wp = 1 = 6.26 M red/s

Polo para Cag = D Wp = 1 = 6.26 M red/s

Polo para Cag = D Ceg = CM4 = 11 pF ; Reg = Res // 12 = 122

=> Wp = 1 = 90 M red/s

:. Wh = Wp = 6.26 M red/s PLANTE 1 40 de de c w (rod/s) wp wp3 6.20N 90M

