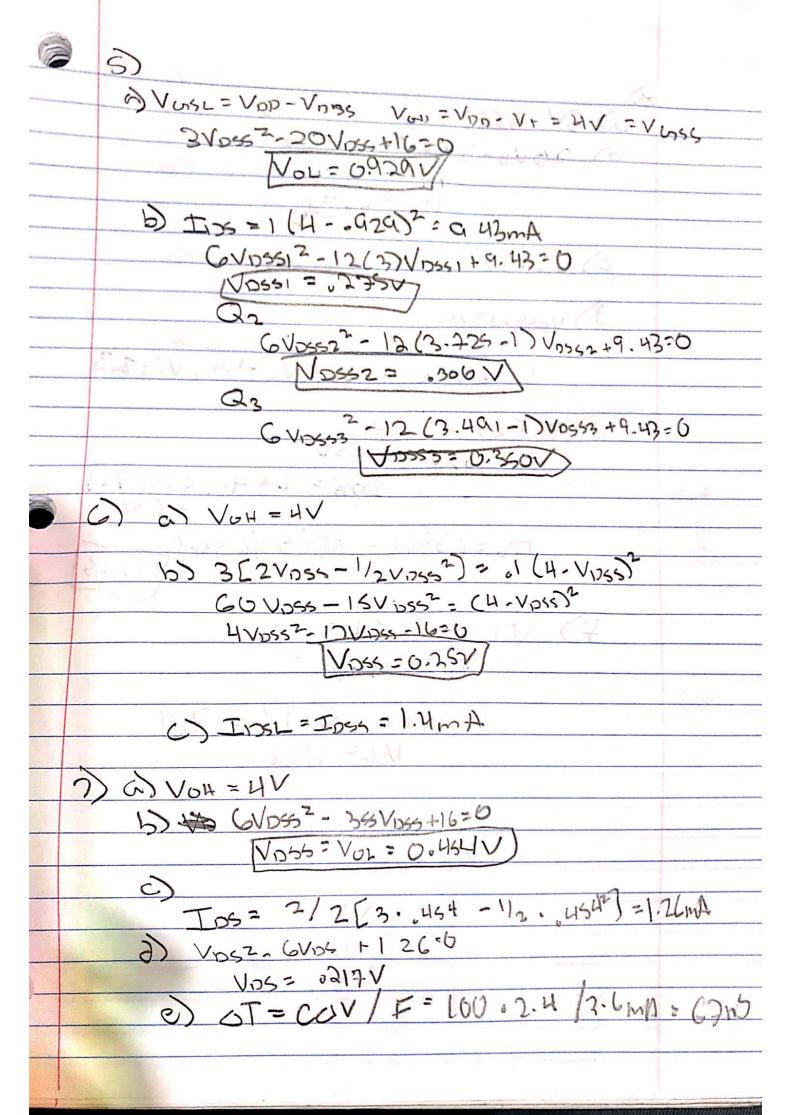


19 W # -92 23 -Vos=45-4=354 IDS = K/3/V -- VS = R = 1 1/1 = 1 = 165 b) Was = 22V Von= 25V Was 1.53-4/1.55-5 = 11.11-1/42 C-16 (1-16 (16-5) (5-16-5) 1000 3-1 300 - 2 - 3000 2= 5 - S- S- Lew = 3 = 3 كالمراع الماع الما Value of the second the Q is substituted 25 V = 20 restant (540-Mg-3 15-5 



b) 20V0-25V0225-V0 V. = 24 C) VIL=IV d) V155=1=10 O.4 = Vi-1-5 = Vi-14; Vi=23 e) & Izn = 0.5mA Voss(av) = 2.5v toss = [24.25-252/2] = 6.88mA Lo=6.38MA - ST = 50/6.38MA Vil=1+.2 = 1.2 VUIL = 49V - ViA= 08+1.6= 204 VOL= 082

