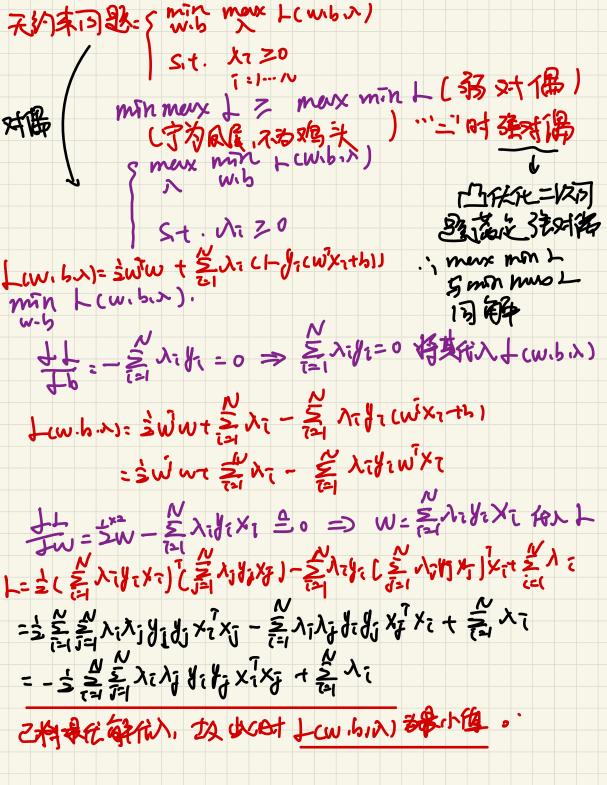
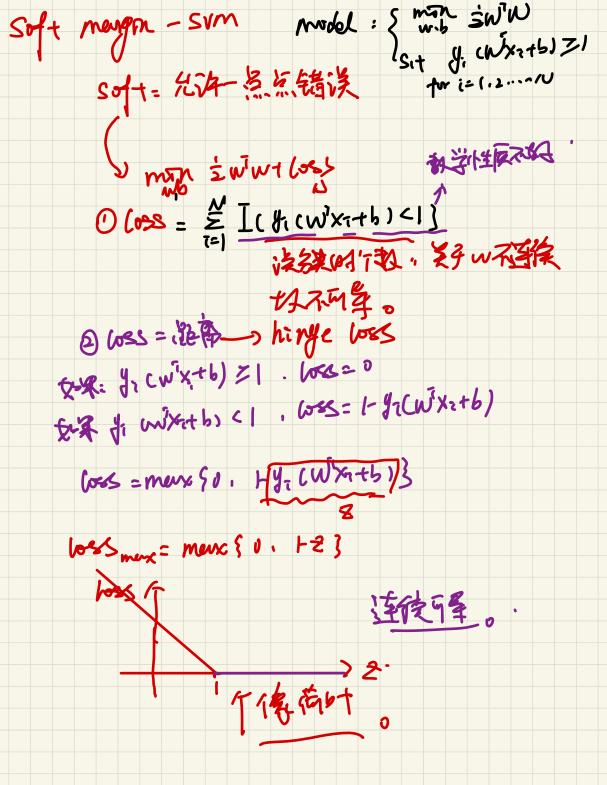
Support VILL EST Mark 170/ SVM Hord-margin Sum: 1 x x ; ; . . fcws = signc wixtb) 两次们所目初至为了寻村最好) Warths With by 种种个超年重。 寻找冷化游差最小的,超老面.(依认问题) Wath 使阳南敬振兴到西西高景小东的景大四起中 到面 distorte P: marx mongin (w.b) = |Wxtb| 这里 Smargin = min | Wx7+b) ((WH) S.t ficwixith 1>0 fool function: (mers min \_ | /w/x, +61=>min (w) (w) / | St | | (W/x7 tb) >0 w.b 1 w| 77 | 12/~~ ar >0, min ficwirth) = r 13 V=1 = min =wiw " web Tiwil = web swiw

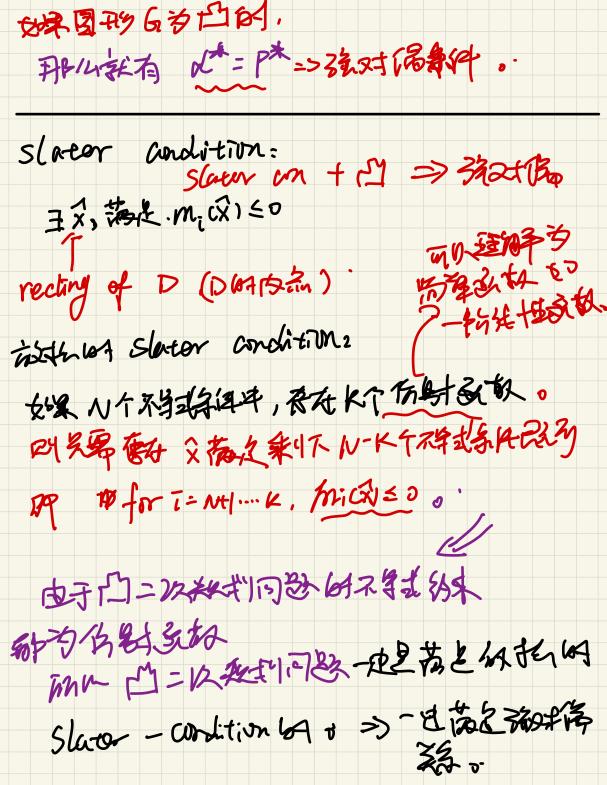


men (- \$ \$ \$ ) ATAJ 8 ( ) X TXJ + E X ) かい (を言うれた)がりメンン 一気かた) KTT条件 陈问题,对据问题,具有强对国关系 ( Jw =0, Jb =0 会談 KITS件 - (1-Vi(w/x+b1) = 0 7 W= 1=0 λη θεχη 1- 4: (w/Xi+b) <0 Stuck nexs 9 Wx+52-1 completement support E Vertor



预料品性的证明: Primal Problem { min fes) (Sit Mice) so. for ==1... 担我のはない レベススルニナタナミハル・カントルラ { min max fcx.x.n) s.t. 1720 min max Loxxin) > mex min Loxxin) min LCX. N. N.) = LCX. N. N. S = N. N. LCX. N. N.) FERINI G (x) Firn) E G (x) 和对馬性 in Fexin) 5 min Box) . new Fern) < min Box/ i, more min L & min max 1

对留性的几何解释 为了就更表示,然们将不得我们来是单一的病的数别就仍未。 : . Primal Problem: 、XED · t S min fis) 72= G= { (miox) if 1 ) , x = 0 }  $M_{V}(x) \leq 0$ Ex Dual problem & SI-ALK-16HAB STET G. Smaxmin LLX.X) assumy pot to Primal protections :- p = rof {u | t ≤ 0, (t, M) ∈ G} 马不有特 min L(x,x) = min from + x wicx) = min get xt c', minder, = mf { n+n+ 1 (+, n) + G } = 1 in the mark To 为多种方面 网络大儿 . ', 97724 10: DOA TILO.



此了条件。 Primer problem: 5 mm for 9.4. m: (X) =0, 7=1..../ しい、入り= feがするかれのの + これでの) forms = min Loxx n) Smar gain) Stx 20, for T-1--N (d\*=p\*) Convex + slater => strong Duelty

KTT ondition: [431314:5m;00) =0 32 k + 25/2: 21 / micx = 0. ++ cx. 11/1 =0. \$30: 4X max gw.n)= gw\*,n\*, = min L(x, x\*, n\*) BE LLXXX. 1x) 二fox+ 管珠mit 高城ng ニナムネノナ ミスキルで =  $\lambda_i^* m_i$  ,  $m_i c x^* = 0$  ,  $x^* = 0$ :, m; cx↑1, €0 To fit = po · : 号卷是张蚌始终, 八对出中华张均气全成多。 1. 1) fcx = fox + = x, mick => => => 1 mexe) =0 in 5317686314 B: man Lux. of. nt) = Lux 1x, nt) " Frx. x. in" /x2 x= 0 -