

Tr = 2x+y+15

=> pt 2-V5

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Course programming
  Let KER" be a propur cone
  (P) minimisk LC, X7
                               ut: R' -> R" hirem map
          s.t. vk(x) = b
                   XEK
tall pt the optimal value of (P).
 Love bounds on p*:
     AGenne I can find yell , ZER" 5.t.
         c = 12 + 1 (ig) , 2 6 E K*
  Then any fearible point x of (P) natisfies < C, x7 = 66, 47
 Proof: (c, x) = 2 2 + A+(y), x)
             = (z,x) + (y,1/6(x))
             2 (2, x) 1 (y, b)
              2 Ly, 67 uning ZEK*, xEK.
Dual problem to (P)
   (D) maximize 26, y)
            s.t. c= 2+A* (y)
ZEK*
Theorem let p* (respectively d*) be the optimal values of (P) (resp. (D))
   (i) Weak deality: pt > d*
   (ii) Stray duality: Assume (P) us strictly familie, i.e. How excepts x E int (K)
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s. E. Ut(k) = b. Then p\* = 1.