$C^{T}X \gg L(X, A) \gg \inf_{x \to x} L(X, A)$ inf L(KA):拉格朗目对偶函数。 goal: max infl(xx) 对偶点数据没 concave g(x,v)=int L(x,x,v) 验点 花屏,水是 concar

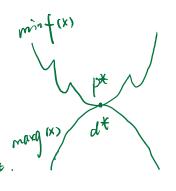
(即使原始问题非凸,其对格始决是凸)沙.

对偶时候:

1 weak duality P* > prime problem d * > dual problem ≥ d* <p* $g(x,y) = \inf_{x \in \mathcal{X}} f(x,y,y) \leq f(x,y,y) \leq f(x,y,y)$

maxg(x)

1 Strong duality if d* = p*



到松地性:

$$y^Tb = y^TAX$$

 $c^Tx = y^TAX$

厚河强目标总数的临河超目标的数相同.

KKT for 4:

primer: min ax & b

Dual: max yTb

YTA & C

我xy同时满足: