1. 括. 作前3 max x, - x2+2x3

s.t. 
$$x_1 - 2x_2 + 3x_3 - x_4 = 6$$

$$2x_1 + x_2 - x_3 + x_5 = 3$$

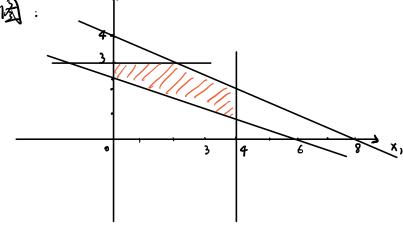
$$x_1 + x_6 = 3$$

$$-x_2 + x_7 = 1$$

$$x_2 + x_8 = 6$$

x, , x2 , x3 , x4, x5 , x6, x7, x8 >0

2. 作图



可约城和图所示, 顶点为(0,2.4). (2,3). (4,2) (4,0.8) (0,3)

在是、(2,3),(4,2)上,X1+2×2 取最大值 8