(2,8,4,0)

(0,5,000)

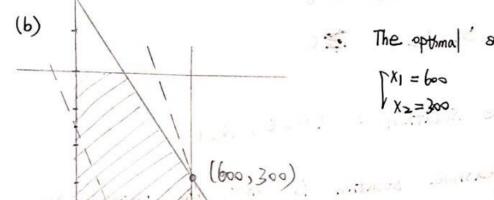
(1,0,0)

(0 10 01

1. min 2X1+371

- 2. $x_1 = number of units of special risk insurance$ X2 = number of writs of Mortgage
 - (a) max 5 X1+2 X2





The optimal solution is

2X1 51200

3.(a) (1,0,0) (b) (1,0,0,0) (0,1,0,0)

(0,0,1) (0,0,2,0)

(0,0,0) (0,0,0)

4. the extreme points: (1,0)

the optimal solution:

no optimal solution or all the points are optimal solutions

 $g_{ij} = f_{ij} = f_{ij}$

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5. mm -x1 -x=+0·s1+0·s2

s.t. $x_1 - x_2 + s_1 = 3$

 $x_1 + x_2 + s_2 = 6$

X1, X2, S1, S2 30

basic feasible solution: (0,0,3,6)

this basic feasible solution is not the optimal solution the optimal solution is (0,6,9,0)

6. (a)
$$\max_{i=1} \sum_{j=1}^{n} r_{i} (5i - 7i)$$

5.t. $\sum_{j=1}^{n} 9i \times 1 \times (1-0.01)$
 $\sum_{j=1}^{n} (9i - P_{i}) \cdot \times 1 > k$

X4 プロ