

. . . ; (« » ,)

. - . . ; (« » ,)

-

-

()

, , , . -

,

.

,

,

.

,

,

.

—

,

.

,

.

,

,

.

.

-

,

,

,

.

-

,

.

-

-

.

-

(x_1, \dots, x_n) ,
 $x_j \geq 0, j = 1, \dots, n$,
 $\sum_{j=1}^m a_{ij} x_j = b_i, i = 1, \dots, m$,
 $\sum_{j=1}^m a_{ij} x_j \leq b_i, i = 1, \dots, m$,
 $\sum_{j=1}^m a_{ij} x_j \geq b_i, i = 1, \dots, m$.

$$\max_{x_i > 0} (\min_{i=1..n} F(x) = \sum_{i=1}^m c_i x_i) \quad (1),$$

$\sum_{j=1}^m a_{ij} x_j \leq b_j, j = 1..m,$

$$F(x) = \sum_{i=1}^n c_i x_i$$

$\sum_{j=1}^m a_{ij} x_j \leq b_j, j = 1..m,$

(1) -
 (x_1, \dots, x_n) ,
 $x_j \geq 0, j = 1, \dots, n$,
 $\sum_{j=1}^m a_{ij} x_j = b_i, i = 1, \dots, m$,
 $\sum_{j=1}^m a_{ij} x_j \leq b_i, i = 1, \dots, m$,
 $\sum_{j=1}^m a_{ij} x_j \geq b_i, i = 1, \dots, m$.

$100x_1 + 200x_2 + 300x_3 < 3000$,
 $100x_1 < 1200, 200x_2 < 1200, 300x_3 < 1200$ ($x_1 < 12, x_2 < 6, x_3 < 4$).
 $F = 10x_1 + 50x_2 + 100x_3$

$F = 10x_1 + 50x_2 + 100x_3$
 $x_1 < 12$
 $x_2 < 6$
 $x_3 < 4$
 $100x_1 + 200x_2 + 300x_3 < 3000$
 $x_1 > 0, x_2 > 0, x_3 > 0$

), « ... » (...)

, , ;

1. , . . . , . . . : / . . . - , - . . . , 2010. - 328 .

2. . . . « - » () : , 2010. 254 .

3. , . . . , . . . / . . . , . . . , . . . - . - . . . , 1987. - 198 .

4. . . . - / , 2000. 382 .

, - , - , . . . , ; (,) , - , - , . . . , ; (,) , - , - , . . . , ; (,)

: -

.