

681.3.07

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[1,2 .].

[1,3,4]

1. $\check{S}_1, \check{S}_2, \dots, \check{S}_p$

$$\sum_{i=1}^p \check{S}_p = 1$$

2.

$$(\quad) u_p$$

$$f_p(x_{11}, x_{12}, \dots, x_{nm}) \geq \max_p - u_p$$

$$f_p(x_{11}, x_{12}, \dots, x_{nm}) \leq \min_p + u_p$$

3.

$$f(x_{11}, x_{12}, \dots, x_{nm}) = \sum_{i=1}^n \sum_{j=1}^m c_{ij} \cdot x_{ij} \rightarrow \max(\min);$$

$$\sum_{i=1}^n x_{ij} = 1, \sum_{j=1}^m x_{ij} = 1, x_{ij} = \begin{cases} 0, & (i = 1 \dots n; j = 1 \dots m), \\ 1, & \end{cases} \quad (1)$$

$$x_{11}, x_{12}, \dots, x_{nm} \in \{0, 1\};$$

; $n =$

; $m =$

1.

2.

3.

$$f_1(x_{11}, x_{12}, \dots, x_{nm}) = \sum_{i=1}^n \sum_{j=1}^m a_{ij} \cdot x_{ij} \rightarrow \min, \quad (2)$$

$$f_2(x_{11}, x_{12}, \dots, x_{nm}) = \sum_{i=1}^n \sum_{j=1}^m b_{ij} \cdot x_{ij} \rightarrow \max, \quad (3)$$

$$f_3(x_{11}, x_{12}, \dots, x_{nm}) = \sum_{i=1}^n \sum_{j=1}^m c_{ij} \cdot x_{ij} \rightarrow \max, \quad (4)$$

$a_{11}, a_{12}, \dots, a_{ij}, \dots, a_{nm}$

j ; $b_{11}, b_{12}, \dots, b_{ij}, \dots, b_{nm}$

j ; $11, 12, \dots, ij, \dots, nm$

MS Excel.

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