(2)
$$\sum_{j=1}^{n} a_{jj} x_{j} \leq b_{i}$$
 (i=1, ..., m) $\sum_{j=1}^{m} a_{jj} y_{j} \geq c_{j}$ (j=1, ..., n)

$$b^{T}\overline{y} = \sum_{i=1}^{m} b_{i}y_{i} \geq \sum_{i=1}^{m} \left(\sum_{j=1}^{n} \alpha_{ij}x_{j}\right)y_{i} = \sum_{j=1}^{n} x_{j} \sum_{i=1}^{m} \alpha_{ij}y_{i} \geq \sum_{j=1}^{n} C_{j}x_{j} = C^{T}\overline{x}$$

$$y_{i \geq 0}$$

$$x_6 = 8 - 4x_1 + 3x_2 + 2x_3 + 3x_4$$

最高辞書

$$Z=33 - \frac{150}{17}x_3 - \frac{16}{17}x_4 - \frac{23}{17}x_5 - \frac{3}{17}x_6$$

 $X_1=5 - \frac{27}{17}x_3 - \frac{4}{17}x_4 - \frac{3}{17}x_5 - \frac{1}{17}x_6$
 $X_2=4 - \frac{34}{17}x_3 - \frac{19}{17}x_4 - \frac{4}{17}x_5 + \frac{1}{17}x_6$
 $Z^*=33$, $(5,4,0,0)$