H18閏7

- (1) minimize 1/4, +42 + 543 Sit. 34, + 43 21 6y, + y2 + 3y3 ≥ 2 24, + 43 21
- 4:20 (1-1,2,3)

(2) 主思題でリンプトックス法り、

$$\chi_{4} = |1 - 3x_{1} - 6x_{2} - 2x_{3}|$$
 $\chi_{5} = |1 - x_{2}|$
 $\chi_{6} = 5 - \chi_{1} - 3x_{2} - \chi_{3}|$
 $\chi_{6} = \frac{5}{3}$

$$26 = 5 - x_1 - 3x_2 - x_3 = \frac{5}{9}$$

$$Z = \chi_1 + 2\chi_2 + \chi_3$$

$$x_4 = 5 - 3x_1 - 2x_3 + 6x_5$$

$$\chi_6 = 2 - \chi_1 - \chi_3 + 3\chi_5$$

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

$$Z = 2 + x_3 - 2x_5$$

$$V + \frac{5}{3} - \frac{1}{3}x_4 - \frac{2}{3}x_3 + 2x_5$$

 $\chi_6 = \frac{1}{3} - \frac{1}{3}\chi_3 + \frac{1}{3}\chi_4 + \chi_5$

$$X_3 = |-3x_6 + x_4 + 3x_5$$

$$Z = \frac{11}{3} + \left(\frac{1}{3} - x_6 + \frac{1}{3}x_{4+} + x_5\right) - \frac{1}{3}x_4$$

$$2L_1 = \frac{5}{3} - \frac{1}{3} \times 4 + \left(-\frac{1}{3} + 2\chi_6 - \frac{2}{3} \times 4 - 2\chi_5\right) - \frac{2}{3} \times 3 + 2\chi_5$$

$$Z = \frac{1}{3} + \frac{1}{3}x_3 - \frac{1}{3}x_4$$

$$x_2 = 1 - x_5$$

$$x_1 = \frac{5}{3} - \frac{1}{3}x_4 - \frac{2}{3}x_3 + 2x_5$$

$$= \frac{7}{3} - 3 \times 4 + (-\frac{7}{3} + 2 \times 6 - 3 \times 4 - 2 \times 5) - \frac{7}{3} \times 3 + 2 \times 5$$

$$\int_{\Sigma_5} \chi_5 \longleftrightarrow \chi_2$$

$$Z = 4 - \chi_6 + 1 - \chi_2 = 5 - \chi_2 - \chi_6$$

$$\begin{array}{c} \lambda & \lambda \\ 0 & 0 \end{array}$$

$$\chi_2^* = \chi_6^* = 0$$

$$x_5^* = 1$$
 $x_4^* = 0$

: 2*=5, (x*,x;*,x*)=(1,0,4)

(3)一回のせでかんで、又本ちのままで、あるものを考えればよい?? 最新辞書、

$$X_5 = |-X_2|$$

$$x_3 = 1 - 3x_6 + x_4 + 3x_5$$

$$\chi_1 = 1 - \chi_4 + 2\chi_6$$

$$x_4 \longleftrightarrow x_1 0$$

$$x_2 \leftrightarrow x_5$$
 $x_4 \leftrightarrow x_1$ $0 \rightarrow x_4 = 0, x_5 = 0, x_5 = 1, x_5 *$
 $x_4 \leftrightarrow x_1$ $0 \rightarrow x_5 = 0, x_5 = 0, x_5 = 1, x_5 *$

$$24 = 1 - 20, + 2x_6$$

(4)相補性划、

スポキロより

$$3y_1 + y_3 = 1$$
 $2y_1 + y_3 = 1$

xx +1 =1. · 32 = 0.

$$y_1 = 0$$
 $y_3 = 1$