同僚大學

							I,
= - Z=	-x ₁ -x	(2-X3_					-
+ 7.5x2	+3x3	$-x_4 = 10$	0000);	标准形	<u> </u>		-
$1 + 5x_2$	+ 10 x3	-X5= 31	0000				-
x2, X3,	X4, X5	70	76 150				-
			966 ti				
!'= -x1	- L2 - L	3-MX6-	-MX7 = (2:	2M-1)X1	+ (12.5M-1)	$\frac{1}{2} + (13M-1)^{2}$	[3 - Yr
$\{2x_1+7.5x_2+3x_3-x_4+x_6=10000$						14.004 1415	ر-
C1+5X2	+ 10x3	-X5 +X-	7 = 30000				-
, X2, X3	, X4,X	5, 16, 27	70				
	X ₁	X2_	χз	X4	x5_		,
-40000M	22M-1	12.5M-	13M-1	-M	- M		
10000	2	7.5	3	-1	0		
30000	20	5	10	0	-1		
= -4 x:	2 - 主Xa	1+2045	- 50×7+	1500			
Z'= (7	M-7/2.	+(2M-1)X	3-MX4+(10M-20	;)x5+(-1161	$M + \frac{1}{20}) \chi_7 - 7 \alpha$	20M-1500
$\chi_2 + 2\chi_3$	3 <u>-X4</u> +	10 x5 + X	(6-10 X7	= 7000			
C1+ 4 X2	1+ = X3	- 1/20 X5 ·	$+\frac{1}{20}\chi_{7}=1$	500			
, x ₂ , x ₃ ,	X4, X5,	x6, x7 7,	0				
		χ2	Хз	Χq	X5	×7	
-7000M-	1500	$1M-\frac{3}{4}$	2M-1	-M	TOM-120	$-\frac{11}{10}M + \frac{1}{20}$	
700	10	7	2	-1	10	- 10	
150	0	山山	1 24 TOO B		- 1	1	
	$+7.5x_{2}$ $1+5x_{2}$ $x_{2}, x_{3},$ $x_{1}' = -x_{1}$ $x_{1}' + 7.5x_{2}$ x_{2}, x_{3} x_{2}, x_{3} $x_{2} + 5x_{2}$ $x_{2} + 5x_{3}$ $x_{2} + 2x_{3}$ $x_{2} + 2x_{3}$ $x_{2} + 2x_{3}$ $x_{2} + 2x_{3}$ $x_{3} + 7000M$	$+7.5x_{2} + 3x_{3} - 1$ $+5x_{2} + 10x_{3} - 1$ $x_{2}, x_{3}, x_{4}, x_{5}$ $x_{1} + 7.5x_{2} + 3x_{3}$ $x_{1} + 5x_{2} + 10x_{3} - 1$ $x_{2}, x_{3}, x_{4}, x_{5}$ $x_{1} + 5x_{2} + 10x_{3} - 1$ $x_{2}, x_{3}, x_{4}, x_{5}$ $x_{1} - 40000M 22M - 1$ $x_{2} - 4x_{2} - 1$ $x_{3} = (7M - 4)x_{2} - 1$ $x_{2} + 2x_{3} - x_{4} + 1$ $x_{1} + 4x_{2} + 1x_{3} - x_{4} + 1$ $x_{2}, x_{3}, x_{4}, x_{5}, x_{5}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	+ 7.5 x_2 + 3 x_3 - x_4 = 10000 $\frac{1}{2}$ $\frac{1}{4}$ + 5 x_2 + 10 x_3 - x_5 = 30000 $\frac{1}{2}$ $\frac{1}{4}$ + 5 x_2 + 10 x_3 - x_5 = 30000 $\frac{1}{2}$ = - x_1 - x_2 - x_3 - M $\frac{1}{2}$ - M $\frac{1}{2}$ - $\frac{1}{2}$ + 7.5 $\frac{1}{2}$ + 3 $\frac{1}{2}$ - $\frac{1}{2}$ + 20000 $\frac{1}{2}$ + 2 + 10 $\frac{1}{2}$ - $\frac{1}{2}$ + 2 + 10 $\frac{1}{2}$ - $\frac{1}{2}$ + 2 + 10 $\frac{1}{2}$ - $\frac{1}{2}$ + 2 + 2 + 10 $\frac{1}{2}$ - $\frac{1}{2}$ + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +	+7.5 x_2 + 3 x_3 - x_4 = 10000) 标准形 1 + 5 x_2 + 10 x_3 - x_5 = 30000 x_2 , x_3 , x_4 , x_5 > 0 x_1 - x_2 - x_3 - M x_6 - M x_1 = (22M-1) x_1 - x_1 + 7.5 x_2 + 3 x_3 - x_4 + x_6 = 10000 x_1 + 5 x_2 + 10 x_3 - x_5 + x_7 = 30000 x_2 , x_3 , x_4 , x_5 , x_6 , x_7 > 0 x_1	+7.5 x_2 + 3 x_3 - x_4 = 10000) $4x_1x_1x_2$ +7.5 x_2 + 10 x_3 - x_5 = 30000 x_2 , x_3 , x_4 , x_5 > 0 $x_1 - x_2 - x_3 - Mx_6 - Mx_1 = (22M-1)x_1 + L12.5M-1)$ $x_1 + 7.5x_2 + 3x_3 - x_4 + x_6 = 10000$ $x_1 + 5x_2 + 10x_3 - x_5 + x_7 = 30000$ x_2 , x_3 , x_4 , x_5 , x_4 , x_5 , x_4 , x_7 > 0 x_1 x_2 x_3 x_4 x_5 x_1 x_2 x_3 x_4 x_5 x_1 x_2 x_3 x_4 x_5 x_2 x_3 x_4 x_5 $x_$	$+7.5x_{2} + 3x_{3} - x_{4} = 10000$) 标准形式 $_{1} + 5x_{2} + 10x_{3} - x_{5} = 30000$ $_{2} \times 2, x_{3}, x_{4}, x_{5} \neq 0$ $_{3} \times 2, x_{3} \times 4, x_{5} \neq 0$ $_{4} \times 2, x_{3} \times 4, x_{5} \neq 0$ $_{5} \times 2, x_{3} \times 4, x_{5} \neq 0$ $_{7} \times 2, x_{3} \times 4, x_{5} \neq 0$ $_{7} \times 2, x_{3} \times 4, x_{5} = 30000$ $_{1} \times 2, x_{3} \times 4, x_{5} \times 4, x_{5} = 30000$ $_{2} \times 2, x_{3} \times 4, x_{5}, x_{4}, x_{5}, x_{4}, x_{7} \neq 0$ $_{3} \times 2, x_{3} \times 4, x_{5}, x_{4}, x_{5}, x_{5}$

同僚大學

$x_2 = -\frac{2}{7}x_3 + \frac{1}{7}x_4 - \frac{1}{70}x_5 - \frac{1}{7}x_6 + \frac{1}{70}x_1 + 1000$
$x_2 = -\frac{2}{7}x_3 + \frac{1}{7}x_4 - \frac{1}{70}x_5 - \frac{1}{7}x_6 + \frac{1}{70}x_7 + 1000$ $\max z' = -\frac{2}{7}x_3 - \frac{3}{28}x_4 - \frac{11}{280}x_5 + (-M + \frac{3}{28})x_6 + (-M + \frac{11}{280})x_7 - 2250$
所有系数均均负数,此时X3~x7均取0
$ma \times Z^1 = -2250$
$\therefore \min \mathbb{Z} = -\max \mathbb{Z}' = 2250$

地址:曹安公路 4800号