$$L = X_1 + 2X_2 \rightarrow max$$

$$\begin{cases} 2X_1 + X_2 \leq 18 \\ X_1 + 2X_2 \geq 14 \\ X_1 - 2X_2 \leq 10 \\ X_1, X_2 \geq 0 \end{cases}$$

$$\begin{bmatrix}
\lambda_{1} - \lambda_{1} - 2\lambda_{2} - \lambda_{1} & -\lambda_{1} \\
-\lambda_{1} - \lambda_{2} + \lambda_{2} + \lambda_{3} & = 18 \\
-\lambda_{1} - \lambda_{2} + \lambda_{2} & + \lambda_{3} & = -19 \\
\lambda_{1} - \lambda_{2} & + \lambda_{5} & = 10
\end{bmatrix}$$

$$\begin{cases}
\lambda_{1} - \lambda_{2} + \lambda_{5} & = 16 \\
\lambda_{2} + \lambda_{5} & = 10
\end{cases}$$

			-1	-2	0	0	0	
Co	XS	Ao	X,	Xz	X3	X	X,-	The real particular of the
0	X3	18	2	1	1	0	0	
0	(-X4	-14 10	- 1 1	- 2	0	1	0	
	Xs						1	
A;			-1	-2		,		
<i>X</i> ;			1	Ĺ				
0	← X ₃	11	3/2	0	L	1/2	0	
- 2	X	7	1/2	1	0	-1/2	0	
0	X5-	24	2	0	0	- I	I	
Ø 5 8 5			0	0	0	1	0	
0	X4	22	3	0	2	ſ	0	
-2	XZ	J8	2	J	1	0	0	
0	χ-	46	5	0	2	0	1	
4;			3	0	2	O	0	

gci 1; >0 é gci Komponentu crobbye Ao 20 P036,030K $X^* = (0, 18, 0, 22, 46)$ Bigrugaem Jananeni zuninni X = (0, 18)Lmax = X, + 2x2 = 0 + 2.18 = 36 B-96: Lmax = 36

$$\sum_{i=1}^{5} \delta_{i} = f5 + 15 + 15 + 15 + 20 = 0$$

lletog Minimo 16ko 20 e ue me kir y

min di; = -20 = 14

cepeg "-" min {6,0} = 0 =

= X44 - Enbogum 3

X14 660 guno 6 sozuc

min
$$Bij = -6 = A_{35}$$

Cepeg "-" min $\{6, 15, 20\} =$
 $= 6 = x_m - bubogumo 3$

Sazara

X53 - gouyreaemo go

	Q,	Q,	Q_3	Q4	Q.	e	u
P		18 24	0 15	6	4	21	0
P	0 26	0 4 15	20 25 1			19	2
P		10 14		9	1		2
Py	0 6	26 14	35 2 £	14 8	0 2	25	18
6	15	15	15	15	20	l	
V	24	6	11	12	20		
				-	1		

Lmin = 11.15 + 11.6 + 26.4 + 4.15 + 10-9+ + 18.6 + 6. 11 + 2.14 = 693

B-96: Lmin = 693