$$\begin{cases} 3u - y - 2 &= 4 \\ u - y + 2 + m &= 1 \\ 2u + y + 22 + v &= 7 \end{cases} \begin{cases} 3u - y - 2 + a_1 &= 4 \\ u - y + 2 + w &= 1 \\ 2u + y + 22 + v &= 7 \end{cases}$$

	10	V Z M V Q1	
	2 -	1-10014	(4/3)
4			(1)
T M	2	12010 7	. (3/2)
man as	0	0 0 0 0 1	
	1 -	1 1 0 0 0	-

A 1º Soluçar
arranfe de tem
os valores de
a=4; h=1; v=7
pare as variaveis
básicas e le=y=2=¢
pare as var básicas

*Constant	u \	4	£	M	7	9		
0.	0	2	-4	-3	0	1		(V2)
10	1	-1	1	1	0	0	1	(-)
V	0	3	10	-2	1	0	5	(2/3)
min ag	0	-2	14	3	0	0	1-1	

mun ag	1,			•			. 1		
		Ų	4	2	M	V	a1)		
(1)	/	0	1	<u>- 2</u>	-3/2	0	1/2	1/2	
(2)		1	0	-1	-1/2		1/2	3/2	
	5	0	0	6	5/2	1	-3/2	7/2	and.
mina	1	0	0	0	0	0	1	0	1
101	1	-5	+1	-1	+10	-7		0	
$\frac{1}{5\times(2)}$		500	-1 0	-52 42	-5/2 3/2 35/2	6		15/2 -1/2 49/2	
7 × (3)		01	0	30	<i>! Ga</i>			63/2	> 4-

1- folução básica Y=1/2 le=3/2 V=1/2 Abedice a todas as restrições de igraldade

objectivo

2) Max 50-Y+2-10M+7V

Prouseo nº 2

$$3(2-y-2) = 4$$
  
 $(2-y+2+M) = 1$   
 $2(2+y+22+v) = 7$   
 $(2, y, 2, M+v) > 0$ 

$$3u-y-2 + \alpha_1 = 4$$
  
 $u-y+2+\mu+\alpha_2=1$   
 $2u+y+22+v+\alpha_3=7$ 

		ce	Y	2	M	V	a	az	$a_3$		
	01	3	-1	-1	0	0	1	0	0	4	(4/3)
	a,	(1)	-1	1.	1	0	0	1	0	1	(1)
	93					1	0	0	1	7	(7/z)
	fo	-5	+1	-1	+10	- 7	0	0	0	0	
min	antazta:	0	0	O	0	0	1	1	1	0	
-(1)	-(2)-(3)	ويفتدون									
		-6	+1	- 2	-1	- 1 1	0	0	9	1-12	

		u	<u> </u>	2	M	· √	MA	۵۷	a3	i	
	a	0	2	1-4	- 3		1	-3	0	1	1/2
	u	1	-1	1	1	0	0	1	0	1	(-)
	le a3	0	3	0	-2	1	0	-2	1	5	(%)
min a	1+02+03	0	-5	4	5	-1	0	6	0	1-6	

							•					
		T-relating	Ų	У	2	W	7	an	az	a <sub>3</sub>		(4) 3 5
1245	(1)	<b>Y</b>	0	1	0	-14/6	1/3	*	*	*	10/6	$\left(\frac{10}{6} \times ^3 = 5\right)$ $\left(\frac{25}{12} \times ^6 = 12.5\right)$
	(2)	ĺ	1	$\bigcirc$	0	-1/12	1/6	*	*	*	25/12	
	(3)	7	0	O	1	5/12	1/6	-4	5/12	1/6	1/12	$\left(\frac{1}{12} \times 2^6 = 3,5\right)$
Ì	mina	1+02+03	0	O	0	0	0	1	1	1	0	
	f obj	edivo (2) ((1)	-5 +5 0 0	+1 0-1 0	-1 0 0 ) +1	-5/12 14/6 5/12	-1/3 1/6	V			125/12 -10/6 7/12	
			2	0	0/2	+74		3			112/12	

	u y Z M V	
Y	0 1-2 -3/2 0	1/2
i Q	0 1-2 -3/2 0	3/2
V	0065/21	1/2
	0 38 ? 0	63/2 a o'ptime de funçair objectivo

(3) Min 
$$-4+2y$$
 $54-2y \le 3U$ 
 $4+y \le 1U$ 
 $-34+y \le 3U$ 
 $-34-3y \le 2U$ 

6.430

Min 
$$-4 + 2y$$
  
 $54 - 2y + 41 = 3$   
 $4 + 4 + 42 = 1$   
 $-34 + 4 + 43 = 3$   
 $-34 - 3y + 44 = 2$ 

		le	Y	61	U2	$Q_3$	44		•
	Q1	(5)	-2	1	0	0			(13/5)
_	<u> </u>	1	1	0	1	0	0	1	(1)
	لاء	_Z	1	0	0	1	0	3	(-)
	ley	-3	-3	0	0	Ò		2	(-)
•		1-1	+2	0	0	0	0	0	<del></del>
			1						

	L. L.	4	41	le 2	<sub>U3</sub>	U4	
Q			1/5		0	0	3/5
62	0	7/5	-1/5	1	0	0	2/5
<b>U</b> 3	0	-1/5	3/5	0	1	0	24/5
Qy	i	-21/5		0	0	n	19/5
	0	8/5	1/5			0	3/5

0 porto o'ptimo que minimize a função ocorre pare ce=3/5, y=0 0 valor do o'ptimo 2=-3/5+2x0=-3/5

le notar pre no calculor do minimo, o valor du d'ptimo aparece com sind trocado.