1) (2x-4+32=11 2-13/11 1-18/15/16
24x -3y+22 = 0 ~ 4-3 20 ~ 2-11-3 01 (0~
2 + y + 2 = 6 1 1 1 1 6 8 4 - 31 2 0
13x + y + z = 4 3 1 1 4 3 1 1 4
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1116 1116 1116
03-11 ~ 03-11 ~ 011 7 ~
07224 07224 03-11
02234 [0117] [07224]
1 - 1 - 1 3 - 1 - 1 - 0 - 0 - 1 - 2 - 1 + - 2 - 0 - 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
1 1 16 1 1 1 1 6 1 8 0 1
0117 ~ 0.117
0 0 4 20 0 0 1 5
00525 00 15
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$\int \mathcal{H} + \mathcal{U} + 2 = 6$
4+3=7 = 30000
2 = 5 4 W + 61 M + 62 M + 0 1 Q
AND THE PROPERTY OF THE VERY LOCAL
12 = 5/, leave 4+2=7, 2+2+5=6
(15=70 X+7=600
4=4-50 10x=6-71-010
1 = 2 / 0   0   2 = -1 / 1 - 1 0 0
5= { 2 = -1, y = 2, 2 = 5 }

3) 1 -2 -3 -1 3 12 3 3 18 2 3
0) 2 -1 2 3 ~ 2 -1 2 3 ~ 0 -5/3 2/3 1 ~
3 1 2 3 1 1 - 2 3 - 1 1 - 2 3 - 1
1 3x + y + y = 4 - 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3 1 2 3 3 1 2 3 3 1 2 3
05-2-3 ~ 05-2-3 ~ 05-23 ~~
1-23-1 [0-7/37/3-2] [0-776]
LESCHLESCH LESCH TOLLES
3 1 2 3 3 1 2 3 1 3 1 2 3 1
0-776 ~0-77-6 ~07-76
05-2-3 003-547 003-547
The state of the s
3 1 2 3 3 1 2 3 3 1 2 3
07-76~07-7-6~07070-11
LOOJ-17-1 LOOJ-17/7 001-17/7
3 1 0 55/7 3 1 0 55/7
0:10-11- ~ 010-11/7 ~
1001-17/7] 001-17/7]
11 10 I To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3006617 + 1002217
0 1 0 -11/7 ~ 0 1 0 -11/7
001-17/7 001-17/7

				//
b) 0 1 3 - 2	21	-4 3.	= [2-1	-4 3
21-43	$\sim$ 0 1	3 - 2	2 0 1	3 -2
1232-1	1 2 3	2 - 1	02	6-4
			LU &	0 1
21-43	21-4	1-31	20-7	5
0 1 3 - 2	~ 0 1 3	-2 ~	0 1 3 -	2 ~
1013-21	1000	0]	000	0 ] .
7/ -1			17.00	
10-7/25/				
0 1 0 0				
10000	70 14 1668	CHARLES - 1	216.	
1/2	1			-
c) 0 2 2	3-421	3-42	3 - 4	12
1 1 3 ~	1 1 3 ~	0 7/3 7/3	~ 0	
3-42	0 2 2 0	0 2 2	0 2	2
[2-31]	2-31	2-3 1	] 2-3	3 1
	21 8/20	The state of the s		
	3-4 2	3-42	MAN	
	0 1 1 1	0 1 1	1.1.00	n in
0 1 1 (	-	0 1 1		
[2-31]	) -1/3 -1/3	0 - L -	1 1470	
	131/6 - 19	1 .7	3118-3	1
3-42	3-42	30	6 1	18 (1
0 1 1 ~	0 1 1 .	0 1	1 ~	
0 0 0	0 0 0	0 0	0	
[0-1-1]	10001		0	N.
			9	
102				
6 0 1 1				
0.00				
100001				tilibra

5)	(3x + 54	= 1		3	5	0	1	9-81-0	L d
n.	12x +3	x = 3	$\sim$	2	0	1	3	8 H+ F 2	8   1
	(5x+4-	x = 0		5	1	- 1	01	213,5251	

2	5	1	-1	0	Tess	5	1	110	0		5	1	-1	0 7	
	2	0	1	3	2	0	-215	7/5	3	N	0	2	-7	-15	~
	3	5	0	1		3	5	0	10	io	L 3	5	0	1 1	

5 1 -1 0		51-10	51-10
0 2 - 7 - 15	$\sim$	0 2 -7-15 ~	0 22 3 5 ~
0 22/5 3/5 1		0.22 3 5	0 2 -7 -151

51-10	7 19	5	1	1.	0		5.	1 -	-1	00	lio
0 22, 3 5	$\sim$	0	22	3	5	$\sim$	0	22	3	51	N
0 0 -80/11 - 170/11		0	0	8	17]		0	0	1	17/8	

5 1 - 1 0		5	1	0	17/8		5	1	0	17/8	,
0 22 0 - 11/8	2	0	22	0	-11/8	~	0	1	0	-1/16	N
0 0 1 17/8.											

5 0 0 35/16		1007/16	
010-416	2	0 1 0 - 1/16	
0 0 1 17/18		0 0 1 17/8	

Ou seza; 5= 
$$\int x = 7$$
;  $y = -1$ ;  $z = 17$ ]

$$6) \left( -4x + 3y = 2 \right)$$

$$5x - 4y = 0$$

$$2x - y = K$$

$$1$$

para que o sistema admita solução io valor de K = -6.

7)  $(x_{1} + 3x_{2} + 2x_{3} + 3x_{4} - 7x_{5} = 14)$   $(2x_{1} + 6x_{2} + x_{3} - 2x_{4} + 5x_{5} = -2)$  $(x_{1} + 3x_{2} - x_{3})$   $(x_{2} + 2x_{5} = -1)$ 

	1	3	2.	3	- 7	14		1323-7 14
						Charles P	- /	00-3-8 19-30 ~
1				0				-00-3-39-15

1	3	. 2-	+3	- F	1147	_	1	3	2	3	-7	114		
0	100	-			-30	1000	0	0	1	8/3	-19/3	10	$\sim$	177
0	0	0	5	- 10	15	, 14-	0	0	0	1	-2,	3	1	Ė

1	3	0	3	-5	10		1	3	0	0	1	1	
0	0	1	0	- 1	2	$\sim$	0	0	1	0	-1	2	National
0	0	0	1	- 2	3		0	0	C	) 1	-2	3	

Loogy

8) A nulidade i uma quantidade de conjuntos, por isso não pode ser regativa.

Angel to significal some per except in the me wood

					0 0			-			- The second	0	•	
10) 0	) x1+	222	, - Xi	3+32	24 = .	1 ~	Sis	tim	ai	my	N8 K. OK	vel		-
				1/2 2	6(+ E)		1 , -		-			2 1	64	_
1)5	x + 4 x +50	x+ 3	= 4	~ /	1 1	1	14	~	2	5 -	21.	2		-
(2.	x +50	4-23	y = 3	Lá	5	-2	15		_1_	1	1	1 ]		
				1.5		784				1	-1.			
12	5 - 2 -3/2 2	13	~	25	-21	3 ~	, 2	5	-2	13		$\sim$		
0 -	-3/2 2	, 5/2		0 3	-4-	5]	0	1	-4/3	3 -5	/3 ]			
								0	· 56	8 +				81
12.	0 14/	3 34	3 ~	11.0	7/3	17/3	1	$\sim$	10	80 p	學的	FILE.	5-1-	
10	1 -4	13 -5	13	0	1 -4/3	3 - 5/	/3]	× ×	- 1	B (8)	- P/			
	3-17				dad	- 7		8 8	I.A.		199	7 4	VI	
	7/2 ~	_ 45	12	1 6	1, -1	1/22		5/2	1	100				
	7/32				y-1	125	-/2 .	1110		11				
	17/3 -				13 G=	- 6	7/3+	7/0	8	The state of the s	•		•	
Po	1= 2=	PC.	GL=	1	V	63 =	<u> </u>		1 1/2			- 3		
				F		100	74	-			-	7		
12) {	x+	4+	3 = 4		1 1	1	4	0	25	- 2	3			
12) {	x +	y + 54 -	2 = 4 22 = 3	3 ~	1 1 2 5	1   -2	4 7 3			-	3		)	
12) {	x + 2x + x +	y + 5y -=	3 = 4 23 = 3 73 =	3 ~ 5	1 1 2 5 1 7	1   -2   -7	4 3 5 ]			-	13 4		)	
12) {	x + 2x + x +	(y + 5y - 7(y -	3 = 4 23 = 3 73 =	3 ~ 5	1 1 2 5 1 7	1   -2	4 3 5 ]			-			x ] (	
12) {	2+	76-	2 = 4 22 = 3 72 =	5	1 +	1   -2   -7	4 3 5 5	7.4	1 - 8	-			30 /1	
2	5 - 2	76-	3 = 4 23 = 3 73 =	5 -	2.3	1   -2   -7	5]	7.4	1 3	7 -			x / x / x / x / x / x / x / x / x / x /	
2	x + 5 - 2 3/2 2	76 -	7 3 = 2 \( \sigma \) 0	5 - 3 -	2.3		5 ]	51-6	1 - 8 - 3 - 4 -	3   5			x / x /	(171)
2	x + 5 - 2 3/2 2	76 -	73=	5 -	2.3		5 ]	P X	1 - 8 - 3 - 4 -	3   5			x / x /	
2	2 + 5 - 2 3/2 2 7 - 7	76 -	7 3 = 2 0 1	5 - 3 - 7 -	2.3		5 ]	1 5)	1 3 4 - 3	3   5	7, 5	+1+1	x / x / x / x / x / x / x / x / x / x /	3
2 0 -:	2 + 5 - 2 3/2 2 7 - 7	76/2   3   5/2   5	7 3 = 2 \( \times \) \( \times	5 - 3 - 7 - 5 - 6	2 3	1	5 ]	3 - 3	1 - 2 - 2 - 2	3 ] 5 ] 5 ]	7, 5	+1 +1 -1	x   x   x   x   x   x   x   x   x   x	3
2 0 -:	2 + 5 - 2 3/2 2 7 - 7 5 - 2 3 - 4	76/2   3   5/2   5	2 2 2 0 1	5 - 3 - 3 - 3	2 3 4 - 5		5 J 2 5 0 3 -1- 2 5 0 -2	3 7 8	2 3	3 5 5 5 7 7 7	7, 5	+1 +1 +1 -1	12 -	77
2 0 -:	2 + 5 - 2 3/2 2 7 - 7	76/2   3   5/2   5	7 3 = 2 \( \times \) \( \times	5 - 3 - 3 - 3	2 3		5 J 2 5 0 3 -1- 2 5 0 -2	3 - 3	2 3	3 5 5 5 7 7 7	7, 5	+1 +1 +1 -1	x / x / x / x / x / x / x / x / x / x /	77
2 0 -:	2 + 5 - 2 3/2 2 7 - 7 5 - 2 3 - 4	76/2   3   5/2   5	2 2 2 0 1	5 - 3 - 3 - 3	2 3 4 - 5		5 J 2 5 0 3 -1- 2 5 0 -2	3 7 8	2 3	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 5 ~ ~ 0	5 -9	12 - 0 -	77
2 0 -:	2 + 5 - 2 3/2 2 7 - 7 5 - 2 3 - 4 - 9/2 6	76/2   3   5/2   5	2 2 2 0 1	5 - 3 - 3 - 3	2 3 4 - 5 2 3 4 - 5 12 - 7	125	5 J 2 5 0 3 -1- 2 5 0 -2	3 3 3	1 + 8 2   3   3   4   - 2	3 5 5 5 5 5 5 5 5 5	7, 5 ~ ~ ~ 0	5 - 9 0	12 - 0 - -8/9	77
2 0 -:	2 + 5 - 2 3/2 2 7 - 7 5 - 2 3 - 4 9/2 6	76/2   3   5/2   5	2 2 2 0 1	5 - 3 - 3 - 3 - 9 - 2	2 · 3 4 · 5 2 · 3 4 · 5	125	5 J 2 5 0 3 -1- 2 5 0 -2	3	1 + 8 2   3   3   4   - 2	3 3 5 5 5 5 5 5 5 5 5 5 5	7, 5 ~ ~ ~ 0	5 -9	12 - 0 -	77
2 0 -:	2 + 5 - 2 7 - 7 5 - 2 7 - 12	70/2   3   5/2   5   -5   -7/2   3	7 2 2 N O O O	5 - 3 - 3 - 3 - 9 - 2	2 3 4 - 5 2 3 4 - 5 12 - 7	125	5 ]	3	1 = 2 = 2 = 2 = 1 = 2	3 5 5 5 5 5 5 5 5 5	2 ~ 0 0 1 1	5 - 9 0	12 - 0 - -8/9	722

x+7/32=x-4/9x-000 x= -4/9 - 7/3 2 01-4/3 000 · 6x -4/32 = 7/98 = 18 9= 7/9+ 4/3 2 3= line 13)  $\int x - 24 + 32 = 0 \times 1 - 2 = 3 = 0$  2x + 54 + 62 = 0 = 2 = 5 = 6 = 0~ 2560 ~ 2560 0 17 20+32=0 x= 32/ Pa= 2= Pc 21+22+23+24=0 21+ 22+ 23 - 24 = 4 ~  $x_{1} + x_{2} - x_{3} + x_{4} = -4$ -1111, 2 24 - 22 + 23 + 24 = 210 1 1 1 10 0-24 21

Tigano istania hat la a in hatia
000-12 ~ 000-12 ~ 000-12
[1-11 1 2] [1-11 1 2] [0-2002]
2 7 1 1 1 0 1 1 1 1 1 0 1 1 1 1 0
000-12 ~ 0-1001 ~ 0100-1
00102 00102 00102
[0-1001] [000-12] [000-12]
- WIOLFER ON FOR FORM OFFICE
11110 111102 311000
0100-1 ~0100-1 ~0100-1
00102 00102 00102
LOO01-2 10001-2 10001-2
The Proposition of the Propositi
10001
0100-1
00102
0001-2-
8 5 4 5
121=1
$6=9$ $\times$ $z=-1$
x 2 2
$\frac{1}{2}x4 = -2i$

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15) (x + 24 + 32 = 0° 1 2 3 0 3 2 1 0
92x + y + 32 = 0 2 1 3 0 ~ 2 1 3 0 ~
(3x + 2y + 2 = 0   3 2 1 0   1 2 3 0 ]
16-00 a-01 68-4/31 12-11 15-11-1
3210 3210 3210
0-1/3 7/3 0 ~ 0 1-7 0 ~ 0 1-7 0 ~
1 2 3 0 1 2 3 0 1 0 4/3 8/3 0 1
00 1 1 5 1 9 1 9 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
3210 3210 3210
01-70 ~ 01-70 ~ 01-70 ~
01201009010010
- 1-12-00 1 10 4 0 10 0 0 0 1 1 - 00 1 a
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L00101 L00101 00101
The state of the s
* 1000 T
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LO 0 10 1 22 24 = 0 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- 1 x (4 x x + 2 x - x 4 - x 4 - x 4 - x 1 4 - x - x - x - x - x - x - x - x - x -
2 = 4 = 3 = 0 A / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /
The state of the s
Pa=3=Pc, G.L=0
I a a a distribution of the state of the sta
1-12-12-25 No. C. C. C 1 22 16 16 16 16 16 16 16 16 16 16 16 16 16
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 49 1 A OUT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

//)

16) (3x + 2y - 42 = 1	3 2 -4	1.1	1 No 10 1
) x - y + z = 3	1 -1 1	3	v
2-4-32=-3 ~	1 -1 -3	-3.	5 7 7
3x +34-52=0	3 3 -5	0	
(-x+4+2=1	-1 1 1	1	1 - 1

3	2.	-4	1		3	2	-4	1	4 -	3	2	-4	117	5.8
0	-5/3	7/3	8/3		0	5	-7	-8		0	5	-7	28	~
1	- 1	- 3	- 3	~	1	-1	- 3	-3	N	-1	1	3	3	0.0
3	3	-5	0		3	3	-5	0		03	3	-5	0	1 0
- 1	1	1	1	. 0	-1	1	1	1		-1	. 1	1	1	

3	2	-4	1	ÌV.	3	2	-4	11	A	3	2 -	4	1	11- 8	f
0	5	-7	-8		0	5	-7	-8		0	5 -	-7	-8	7-78	0
0	5/3	5/3	10/3	N	0	1	1	2	2	0	1	1	2	2	
3	3	-5	0		3	3	-5	0	0	0	1	-1	-1	1	
- 1	1	1	0.4]		-1	1	1	CL.		-1	A	- 4	1	Silve	

32-41		3	2	-4	1		3	2	-4	1)	1/7 -	S	E
05-7-8		0	5	-7	-8		0	5	-7	-8	N	7	
0112	N	0	1	1	2	N	0	1	1	2		10-8	7
0 -1 1 1	9	0	-1	1	1		0	-1	1	1			a
-1 1 1 1		0	5/3	-1/3	4/3		0	5	-1	4	7		ħ

3 2 - 4	1		32-41		32-41	
0 5 - 7	-8		05-7-8		05-7-8	1 3 4 3
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