atividade algebra Linear -
Marlon Duarte - 493408
I - J(1,0) = O(x,0) + O(0,y)
$\frac{1-J(1,0)=o(x,0)+o(0,y)}{J(0,1)=1(x,0)+2(0,y)}$
Dessa jorma Terros:
[J]=[01] [02]
02
a virificações de que 2 2 + (v) = 2v, se da:
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Portonto e reroladeiro
2. T: R= 1 R2 fal que V. (x,y) = (2y,x)
T(2,0) = (0,2) = 0(2,0) + 2(0,2) $T(2,0) = (2,0) = 2(2,0) + 0(0,2)$
[10] Sabendo que det ([+]-2])=0 [10] Visto que 2]=2 pelas propriedades
[0-22]=2-2=0 dado que 2=±2/2)
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Transportation (Transportation of multiplicar)
할다. (요리) 보고 1000 보고 있는 1000 보고
Para 2=-2'2 02 x = -2'2 x = 2y = -2'2 x = 10 x = -2'2 x = 10 x = -2'2 x
[30][3] [4] 2C = -21/2 y
assim, a combinação geradora do espaço
사람은 (V .) 사람들은 살아가지 않아야 하는 사람들이 살아 있다면 하는 사람들이 살아 모든 것이다면 하는 사람들이 살아 다른 사람들이 되었다면 하는 사람들이 살아 있다면 하는 사람들이 살아
$(-2'^2, y) = y(-\sqrt{2}, 1)$
E o autoreter
그 사람들이 살아보는 것이 되었다. 그는 사람들은 그들은 살아보고 있는데 그리고 있다면 되었다.
$\mathcal{V}_{\mathcal{L}} = (-\sqrt{2}, 1)$
David of the same
Dessa yerma o V é gerado por vs, istopois
V-vz = [(-v2,1)] pe 2=-v2
- D 2 2/2
=> Para 2 = 2/2
[02] [x] = 2'2 x] = 24 = 2'2 x
[10][y] [y] $n = 2'^2 y$
assim a combinação guiadora do espaço
V
$(\sqrt{2}y, y) = y(\sqrt{2}, 1)$
* o automater
& o autowiter
V2: (V2, 1)
$-V_{-} = [(\sqrt{2}, \frac{1}{2})] \Delta = \sqrt{2}$
$V_{12} = \lfloor (\sqrt{2}, 4) \rfloor \Delta = \sqrt{2}$
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3. T(1,0) = (1,2) = 1(1,0) + 2(0,1) T(0,1) = (1,1) = 1(1,0) + 1(0,1)autoralores. det([+]-x1)=0 [=0=0 (1-2)2-2=0=0 23-22-1=0 2-21 -b+ VA => 2+2V2 (1+V2 => TV=2V 2a => Para 2, = 1+ VZ x] = 1 + V2 [x] ネス+リ=(1+12)ルカ 2x+y=(1+V2)y $x+y=x+\sqrt{2}n$ 2x + y = y + Vz y Dessa jorma: (8c, VEX) = 2c (s, V2) = V3 = (1, V2) VI+VE = [(1, V2)] => Para 2, = 1-12 2+4 = (1-12)x = 1 y = - T2x 2x+y-(1-V2)y = 2x=-V2y

123coursens

Dusa yorma: (2, -V2x) or (1, -V2) 25 VE= (1, -VZ) V1-V2 = [(1, -V2)] M = T(1,0,0) = (1,1,2) = 1(1,0,0) + 1(0,1,0) + 2(0,0,1)T (0,1,0) = (1,-1,1)=1(1,0,0)-1(0,1,0)+2(0,0,1) $T(0,0,1) = (0,2,1) = \phi(1,0,0) + 2(0,1,0) - 1(0,0,1)$ [+]= 1 1 0 0 det ([+]-2])=0 [1-7 1 0]=0 1 -1-72 2 1 -1-2 $(-1-7)(-1)^{2+7}$ $\left[-1-7 2 + 1(-1)^{2+7} | 1 2 | = 0$ 1 - 1-7(1-7) [(-7-1)2-2]-[(-7-1)-4]=0 =b $(1-2)[\lambda^{2}+2\lambda+1-2]+(\lambda+5)=0=0$ ス2+22-1-23-222+2+2+5=0 =0 -23-22+42+4=0·(-1) 23422-42-4=0 0 divisores de - 4 sois 1, - 1, 2, 2, 4 e - 4. $\lambda_1 = -2$ $\lambda_2 = -1$ $\lambda_3 = 2$

American:

= b Para 2,= -2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$x = \frac{y_{13}}{x} = \frac{y_{23} - y_{3} - y_{3}}{3} = \frac{2}{3} = \frac{2}$
(9/3, 9, -2/34) = (9, 39, -29) = 9(1, 3, -2)
$v_{i}=(1,3,-2)$ e $V_{i}=[(1,3,-2)]$ => Para $\lambda_{2}=-1$
Tora No 3
$2 + 9 = -2$ $\Rightarrow 9 = -22$
$\frac{2-y+23=-y}{2x+y-3=-3} = \frac{2x-(-2x)+2z-b}{2x+y-3=-3} = \frac{2x-y+2}{2x+y-3=-3}$
Dessa gorma:
= D Para 23 = 2
20 + y = 2x = b = x
$\frac{2(-9+2)z=29}{2x+9-3=23} \qquad 2(-2)z=2x=2x=2x=2=2$
Dussa porma:
The state of the s

be, x, x) = x (2, 1, 1)
$v_1 = (0, 0, 0)$ $v_2 = [(1, 1, 1)]$
5. T. P2 - P2
$T(ax^2+bx+c)=ax^2+cx+b$
T(1)=1x=0(3)+1(x)+0(x2) = \${1, x, x2}
+ (x)=1=1(4)+0(x)+0(x2)
$\pm (2^2) = \chi^2 = 0(3) + 0(\chi) + 1(\chi^2)$
The state of the s
[010] [010] [200] = 0 +det [[0-20])
100 det 100-020 1020
[004] [[004] [[001-x]]
$[-\lambda \ 1 \ 0 \] - \lambda \ 1 \ -\lambda \ . (1-\lambda) \cdot (1-\lambda) - 1 + \lambda = \lambda^{2} \cdot (1-\lambda) - 1 + \lambda$
$\frac{1}{1} - \frac{1}{7} = \frac{1}$
0 01-2 0 0
The state of the s
-23+22+2-1 (-2+1)(2-1)=0=12=11
$\lambda^3 - \lambda^2$ $\lambda^2 - 1$ $(-1 + 1) \cdot (3^2 - 1) = 0 = 0$
7-3 (2+2).((-1)2-2)=0
1+8-1
= P con a 2 = 1
-> V WILL ~-+
Faremos pela endem da base.
The state of the s
[0 1 0] [c] [c] b=c
100 b = b = c = b
001 [a] 6 a = a

Dessa youra
$- \sqrt{1 - ax^2 + bx + b}$
Para 2=-3
$\frac{b-c}{c-b} = b c-b$
9 = - 9 = 0
$v_1 = bn - b$
6-+ [10] = [10] = 1 [10] + 0 [01] + 0 [00] + 0 [0]
T 01 = [00] = 0[10] + 0[01] + 1[00] + 0[00] 00] 10] [00] [00] 10] 10]
T [00]: [01]=0[10]+1[01]+0[00]+0[00]
[10] [00] [00] [10] [04]
T 10 01-10 01 = 01 + 010 11 + 010 01 + 110 01
01 01 [00] [00] 10 [01]
$[+] = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{bmatrix}$
0 0 0 1
di (LT)-XI)=0

A Tenements

1-2000 (1-2) /1-200
0 7 1 0 0 2 1
0 1-70 0 12
1000017
$(1-2)(3-2)(\lambda^2-1)=0$
(1-2) [-2] 2, -1 2, -1
1 - 2
A Company of the Comp
$(3-\lambda)(\lambda^2-1)=0$
The Post of the Po
→ Para 2,=1
[1000] 2 x = 2
0030 9 = 9 3=9
0 1 0 0 3 3 4 5 3
[0001][w] w=w
(2 2 2 2 2) - 2 (1 2 2 2) - 2 (0 4 4 0) - 2 (0 2 2 4)
(2,3,3,w) = 2(1,0,0,0) + 2(0,1,1,0) + w (0,0,01) y = (1,0,0,0)(0,1,1,0)(0,0,0,1)
V,=[(1,0,0,0)(0,1,1,0)(0,0,0,1)]
→ Para 22=-1
$2c = -2c \qquad 2\alpha = 0$
3 = -3 V = -8
w=-v 2w=0
Dessa porma:
(0, -3, 3, 0) = 3(0, -3, 3, 0)

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$v_{i} = [0, -1, 0]$	1,0)]		-		
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