halize as operaçãos a seguir: Multiplique a matriz m= [9 -7] pho escalar 1 - 5 5 Seithaia of motives A= [9-7] eB]-737 A-B+(-3)-(-5) 5-8 A-2= 15 -10 Encortre a nations transporters we produlto $H = \begin{bmatrix} 73 & 5 & 7 & 1 \\ 5 & 7 & 1 \\ 5 & 7 & 7 \end{bmatrix}$ V= [3] - 1 1 = -1 Produto entine entre a=[3-2]=[15-4]6] <a.b>-[15-4]6]

Multiplique A e B = [0] = C[4] A = [3 4] e B = [0] = C[4] [8 3]	33333
$A = \begin{bmatrix} 0 & 1 \\ 2 & 0 \end{bmatrix} B = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} = \begin{bmatrix} 3 & 4 \\ 3 & 4 \end{bmatrix}$ $A = \begin{bmatrix} 4 & 2 & 5 \\ 2 & 4 \end{bmatrix} \begin{bmatrix} 1 & 1 & 6 \\ 2 & 4 & -1 & -7 \end{bmatrix} \begin{bmatrix} 1 & 1 & 6 \\ 3 & -1 & 10 \end{bmatrix}$ $\begin{bmatrix} 4 & 4 & 5 \\ 4 & -1 & -7 \end{bmatrix} \begin{bmatrix} 3 & -1 & 10 \\ 3 & -1 & 10 \end{bmatrix}$ $\begin{bmatrix} 4 & 4 & 5 \\ 4 & -1 & -7 \end{bmatrix} \begin{bmatrix} 3 & 4 + 0 - 5 & 4 \cdot 6 + 2 + 50 \\ 3 \cdot 1 + 2 & + 18 & 3 + 0 - 6 & 3 \cdot 6 - 4 + 60 \\ 4 \cdot 1 - 2 - 21 & 4 \cdot 1 - 0 + 7 & 4 \cdot 6 + 1 - 70 \end{bmatrix}$	
c [33 -1 73]	
Encontru a inversa des modrings $A = \begin{bmatrix} 1 & 3 \\ 0 & 0 \end{bmatrix} A = \begin{bmatrix} 6 & 4 \\ 3 & 3 \end{bmatrix} A = \begin{bmatrix} 1 & 5 \\ 3 & 4 \end{bmatrix} \Rightarrow \begin{bmatrix} 7/3 & -5/3 \\ -1 & -7/3 \end{bmatrix}$ $A = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} A = \begin{bmatrix} 6 & 4 \\ 3 & 3 \end{bmatrix} A = \begin{bmatrix} 1 & 5 \\ 3 & 4 \end{bmatrix} \Rightarrow \begin{bmatrix} -1 & -7/3 \\ -1 & -1/3 \end{bmatrix}$ Tillipro	

6									/ /
	A=[3 5	7111	-3/31	-5/5	17		10	0 0	ad
	[3 - 3		-3/31	7/3	1]				
	d=-21-		1						(x)
	31				7				
		A'-	31	5/31	-				
-			2/31	-3/31	1		-		
10			-	1					
I	A= 2 1 3 1 0 1	The second secon	-2 1 -1 -2	1 1					
1	1 0 1 4 7 5	1-11	9 0	-1	-				
-	1 4 3	1 -		1	3	5	1		
-	1 1 3	1 2 1		7 0	1	1	0		
	101	10		-	× 5	4	8	X Lo	1271
	4 8 5	4 3	1		3	3	1		
		1	_ 1	0	1	1	0		
A.	-17-27		13	-5	-1			11/1	
	010	A'=	0	1	0				
	2 13		1-9	3	1	1	2	117	
0 1	111	3				0	1	0 01	
	100	1				7	1×	3×3×1	
9	113/8	1				1	2×	1 XX	
7	1 0	- (2+0	1+01	1		0	1X	0×0×1	
di		- (2 7 0))						
1 3	-1,			-			1970		
				1!	F				Farm

Verisique re as zuros võo lineares	12 13 K
	1 4 6
J(x) - 2x+1	
* homogeneidade (1)	
F(a.v) 1 a.s(v)=	
= 2(0.0) + 1 $= 0.(30 + 1)$	
= 20v + 1 = 2av + a	
mão e lineon!	
Short a meon!	
5(x)=-x = F linear!	
(4)	
5(av) a. 5(v)	1 1 6 1 21
= -av -a -v	010
=-av,	1816
SATINE	4Z (1)
A V. J.U. Jadle).	
F(0+V) = S(0) + S(U) =	
= -(0 + V) - Q - V	
	202 (s)
	1000

(tilibra)

S(x)=5x	p & einear
3 (1) 3 1	
(1)	
5(av)=	2. f(av)=
=5.(0.v)	= a. (5v)
= 50V	1-5av
	SATINADON (1)
(9)	
F(0+v)	15(a) + 5(v)
= 5(0.+V),	=(50+) +(5v)
	=5(a+v),
	Sotingar (3)
S(x) = xx 0	now e linear!
(1)	
	S(V)
	2.(2)
	= av>
	mão notingos (1)

strane	e on m	o minto	. poutin	den egwelf	d lineary	1
X= k - y -	-1 2 · · ·	1 y'z -2) X + } }			
• 1 =	-5x+3	Y, Y'=-	4x +7)	149Z e Z	'= 2Y	
x' Y' = Z'	-5 3 C 4 7 9 0 0 0					
= 1 ×	-Y + Z , >	'=-x+.	9z o z'=	x6+ Y6	() ()	1
X	0-1-70	1 4 0 *	x / y / z / z / z / z / z / z / z / z / z			
· Am	elia duo 8,-127	1 Verges	9 parto	a=(2,4,-	-61	
· R 20/2 =	na Pon	1 ton 4	(5/3, 1	(5, 3, 6)		

AND THE PROPERTY OF THE PROPER

(tilibra)

1 Ex. Ponto retolionedos 1 5 ·a (10, 10) rotorismodo 30°; 5 x'=10 ~ con (30°) - Y + ren (30°) = 10.0,8660 - 12.0,5 = 2,66 Y'= 18. ((0) (30)) + 10.0,5 = 10,3933 + 5 = 15,3923 ar (2,66, 15,39) a (3, -10) noto ismale 10°; 0 0' (4,68, -9,38) x'=3. (0(10) - >(-10). ren(10) x'= 3,95 L(-1,73) x = 4,68, Y'= -10. con(10) + 103. ren(10) = -9,32 a= (3/1). rotacionando 45° X'=3. (0(45) - 7 * nem (45) = 10,10 -4,04 = +0,88 y'- 7. con (45) - 3. ren (45) = 124,94 - 2,12 = 2,82.

7

5