Fie B = { n, n2, ..., nem } Susta in V. Flowci (A) ≠ ∈ 1, (Zi) 01, 02, ..., 0 € K 0.2. in restanderans livestow a stail me in Standoras in almiter et iestail astalmiter ab ? mus . Litail sero ne in atte al affail o al se sessot se assistare mil B stark nã sature vassif mamigas Restar B' v' j = Z' « ij vi ou « ij EK umci obstrices $S = \begin{pmatrix} \alpha_{11} & \alpha_{12} \\ \alpha_{21} & \alpha_{22} \\ \vdots & \vdots \\ \alpha_{m1} & \alpha_{m2} \end{pmatrix} \in \mathcal{O}_m(K)$ [mi] & [mi] al et liestail a vailmiler des vierent de la la montre a met

B start at a start

$$\mathcal{B} \xrightarrow{5} \mathcal{B}' \Longrightarrow \mathcal{B}' \xrightarrow{5^{-1}} \mathcal{B}$$

Brapatitie: Orice matrice de trecore de la a haté

Sa Sta este imorabilà.

Fix & E V ; B, B' Death in V ca mai sus.

$$\text{Sor 13i} \quad \text{3} = \sum_{j=1}^{m} a_{j}^{j} \cdot \sum_{i=1}^{m} a_{i}^{j} \cdot \sum_{j=1}^{m} a_{i}^{j} \cdot \sum_{i=1}^{m} a_{i}^{j} \cdot \sum_{i=1}^$$

$$= \sum_{i=1}^{m} \left(\sum_{j=1}^{m} a_{j} \cdot \alpha_{ij} \right) n_{i}$$

$$\frac{\partial}{\partial x_{i}} > Q_{i} \cdot Q_{i} = Q_{i}, \forall i = 1_{2m}$$

Exercitiu: Fie
$$A_1$$
, $A_2 \in \mathcal{M}_{m_1m}(K)$. Freatofi a_2 , $a_2a_2 = A_1 \cdot X = A_2 \cdot X$, $(Y) \cdot X \in \mathcal{M}_{m_1,k}(K)$, otimai $A_1 = A_2$.

Apricatii Timiare

Fie V zi W dans K- patii vectoriale.

Def:
$$O$$
 Symptic $G:V \rightarrow W$ 15.10. Oplication Diminion dacă $G:V \rightarrow W$ 15.10. $G:V \rightarrow W$ 15.1

Doca, in pur, geste diegetina, pumem ca trus W is V is sainic mriftementi stre f esperanti sairates sites

(4) 2 (4) 2

: ifmaxis

ste V ← V: V h "asitralai aifamuf, talo V witner (1)

بةلف	airil-a	rà.					
2)	Penta	~ M	stapl	vatre	ale , 9	2 sitemes	X ← O W
tee	i o op	icație	rainik	ă, ·		" modi	"Lum kumr
							"alum aiz
3)	Fie 1	M ∋ 4	min(K)	। स्ट्रं की	metia 3	: Km -> k	Lea
					6	Mwy(K)	omm, i(K)
						~	→ H·w
	Smitte	i, Z.	go str	C sitasi	årleimi	•	
\$	em.						
6,	tie as?	u∈k	? ₹.ye	Km			
					lA + £	$x = \alpha h x$	+24/4

= 03/2)+x 4/41

Istawatie! standbrows nã briarcul as stara mot anal orthe arained estavillo esira et ates etra elamonismone este data de esistam e us estifummes.

of ier prairie sitesifo stes f and !siteurerol.

	rtalo	aesi	ieme	ilipo	catri	aimil	re In	2- st	prose	de Dias	Fo
	Fie	N, W	itap	sect i	ivat	£ ,	dim	$\lambda = \omega$	•		
							milo	M= 140			
		-									
	BY	= 3	Nes >	vow 7	Task	tà in	n V		Bi		
	'Bw	= 3		73))	mu	173	afae	Im W			
			N O .								
	Pen	tru	tassif	e n	٠ في ، و	ವೊಡಿ	o Fa	braa	enatele	Dui	
Q	(~i)	Sm.	Salt	B.							
)			C								
	31	rej)	= 2	طغ	ine	~ ° (A	i = j	l'u c	u di	EK	
				/ 0	44	۵	12		dem		
	[8]		=	/ «	ત્રા	∠	22 ,	• •	×2m	\e	
	[\$]	B_{γ} ,	BW			•			1		
				1 4	mı	d	m2		dimm		
				1						J	
				Blown	JBW	[3	Liens	Bw	5 Elver,	12 Bw	
					The state of the s					"	
				W m	""(K;)					
						0	. 4-1	. 9	•	54.	
				MAC	trico	2 04	ncoh		numbe	June	- 3
				Por	eche	Ole	oflax	B.	v, W		
	Fie	Na (c= V =	~=	M	24	~; =:	210) = \(\frac{1}{2}\)	2j. D(n	ui'
					4=1	ব	~; =:	7	9=1	4 7	4.

staimil infasiho us intorano

wite starter, Voic stinif after War, Va asolf

Terificate:

Fie x, 7 EV; a, Su EK

$$= \sigma(3+3)(\pi) + 3r(3+3)(\pi)$$

$$= \sigma(3+3)(\pi) + 3r(3+3)(\pi)$$

$$= \sigma(3+3)(\pi) + 3r(3+3) + 3r(3+3)$$

$$= \sigma(3+3)(\pi) + 3r(3+3) + 3r(3+3)$$

$$= \sigma(3+3)(\pi) + 3r(3+3) + 3r(3+3)$$

$$= \sigma(3+3)(\pi) + 3r(3+3)(\pi)$$

: iralar es sritumnt.

estainil intasilo es assenupmos?

Fix 4: V = W : G it W - V : & site

istainist sitesific stre 1+1: fog ismutto

Dam.:

Fie a, Se EK ; &, 7 EV. Franci

$$= a(3a3)(x) + yrd(3(x))$$

$$= a(3(x) + yrd(x))$$

$$= a(3(x) + yrd(3(x))$$

$$= a(3(x) + yrd(x))$$

- L. W.V mile stimif effact JB , VB , VB menuqueser

$$V \ni [x]^{\mathcal{B}_{V}} \xrightarrow{h} [x]^{\mathcal{B}_{W}} = A \cdot [x]^{\mathcal{B}_{V}} \xrightarrow{\mathcal{B}_{V}} [(x^{\mathcal{B}_{V}})^{\mathcal{B}_{W}}]^{\mathcal{B}_{W}}$$

= B.A.[*]By

[90]]B1,BL

[303] Br, Br = BA = [3] Bm, Br, L3] Br, Br

estainil iitasilje iene etaisazo iitapelul

Eiel Luclum minifalo, "astainil sitasisso W-V: & sit

Kor 3 = { & EV | &(*) = 01 3 = 1

: f int somigami it

7mg= 92(x) | xev3 = W

V ni Sairation interpolier stee & ray (1 : sitistagara)

(=> { vo } = { ray <=> auitosimi stee } (c)

<=, dim Ker 3=0

Wmi Sairtsen uitapelus stra fmt (E Buitsejras f == W= fmt (P

Dem.:

1) Fie a Deck; # , ye kor 2 => 2(x)=2(y)=0 3(0x+grh) = 0 3(x) + gr 3(x) =0 =1 0x+ grst Exo, 8

3) Fie a, De EK; X, T & Jm & = 1 (3) xo, yo EV cu x= 2(x0) 1zi A = 3(20)

07+182 = 0 3(x0)+20 3(20) = 2(0x0+JrJo) = July

Testabo - gener somerost Fie g: V -> W aplication Diminora a.2. dim KV < 00 Vimite = fint for f + dim Imf = dim V. Clefetie Line of interested de la inj. We , va [] Emast = & grast ! sitawasho Drapatitie: Fie f: V → V = Discotie Diniora Cu.

dim V = m < 0 > m = V milo

itosimi stre f ismut76.00 > m = V milo anitagiel & 1=> anitagrae & 1=> Dom.: Testama rang-delect: fut mile of soft mile = 1 mile Vomito = fort mile (=> 0 = fort) mile ; savitagini f Im 3=1 autsejas g sitasiffe mous (X) m, m(K) 2 A sade ! intervalue Simisora $\mathcal{L}: \mathcal{K}_{n} \to \mathcal{K}_{m}$ |x + y| = |y| + |x| +A sosistam es nagamos internatives

