Contra -	4.7. Change of Basis.	110.0 11 0.74.				
		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c				
*Thun 4.66.	. W: Subspace of a f.d. v.s. V.					
	(a) W: finite-dimensional.					
	(b) dim (w) 4 dim (v).					
	(c) W=V \(dan(W) = dan(V).					
4.7. Change o	_					
4.7. Change o	Passes.					
	$(\underline{V})_{s} \neq (\underline{V})_{s'}$	V R.				
	(U)s = (C1, C2,, Cn) ER".	(<i>U</i>)s				
	4.	Dis.				
		$S \rightarrow S'$ $(V)_{S} \rightarrow (\underline{V})_{S'}?$				
	(<u>U',</u> , Un')	$\frac{1}{2} (\underline{V})_{S} \rightarrow (\underline{V})_{S}'^{?}$				
	$\begin{array}{c} \cdot B \to B' \Rightarrow [V]_B \to [V]_{B'}? \end{array}$					
	(U, -Ua)	uxu.				
		1				
	$\left[U \right]_{B} = P \left[U \right]_{B}$ where $P = \left[\left[U, \right]_{B}, \left[U_{0} \right]_{B} \right]$]B,, [Un]B,				
	\(\frac{1}{2} \)	<u>J.</u>				
	transmition must. $P_{B \to B'} = []^{K}$					
	$B \rightarrow B' = [$.] .					
		rc, 1				
* ex1).	B = { (1,0), (0,1)}	$ \longrightarrow \begin{bmatrix} C_i \\ C_2 \end{bmatrix}. $				
	B'= \((1,1)\(2.1)\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
	$S(1,0) = G(1,1) + (0,1) = G^2(1,1) + (0,1) = G^2(1,1)$	(2(2,1)				
	(0,1) = Q (1,1) +	C/3 (2,1).				
	PB'→B= / 2					
	L, ,					
	· [V]B' = B-B' [V]B					

#	Involtibility
71	through bikat

*Thun 4.7.1. "Efficient Method"

- · Step 1. [B' | B]
- · Step 2. Elementary four Operation.
- · Step 3. [I].

PB > B'

$$(2) \quad (2) \quad (3) \quad (4) \quad (4)$$

_ (M	n	ew			
1	0	1	2			
0	1	į,	1	→	PB->B	
_						

* Thun. 4.7.2. B= \(\frac{1}{2} \ldots \), ... \(\text{uniq} \).

S=\(\frac{1}{2} \) \(\text{Sandard Baxis } \(\frac{1}{2} \)

Po+s=\(\frac{1}{2} \) \(\text{un.} \)