Dimensiumea (dim 123) = 9 > VI, Va, Vo bata pt 129

W1 = (1,0,-1) W2 = (-1,1,0) W6 = (0,1,1)

| 1 - i 0 | 2 2 +0 > sixt Cim und.

dimportes : 3=> boxta pt x3

B2= 4 201, W2, W2 } boxe in 123

WIERB

WICXIVITXAVA+XOVO

Wa=181 VI+ BaV3+B3V3

KB-8, VI+ 82V2 + 850

```
diederage 1
   V== 1 (1, 1, 1)
  2180-(3, 13, 13)
 V spatce vect.
 85 V Eubspatie
  (5,+) > gray comulativ
  (5, K, .) of vectorial
a) +xiyes xxx es
b) x x es ,x a e K > a · x e S
Exemple: 1) 8= 4(x1, x2, x5,0)/x1, x2, x8e R9 5 R4
       a) + (x1, x2, x0,0) + (y1, 1/2, 1/3,0) = (x1+ /1, x2+ 1/2, x0+ 1/3) 0) + S
       b) + (=, =, =, 0) = (a=, a=, a=, o) e S
     Am a) a b) > 8 E/R4
 KmixI = hfellit/goodf smy
 Grantly pol.
 s=4ferexs/godf=mg
 Est 5 subspatie vect on Rondxs?
    Pp Se subspatu vectorial
   Fie & polimoome dim s
    f= xm+1 gisi g=xm+1
    * ftg= & 1 8 => priesupunere falsa » S mu e subspatice vect
 Dacã o 18 3 8 mu e subspadiu
```

S= h(x1, x2, x0) / x1, x2, x0 e/R & x1 +x2-x0+1=09 Este o subspatce vect on 1830 X1+ Y1+ X2+ Y2 - (X3+Y3) +2=0 TIER EER EITER-LOTICO A D E1+68-60+1+ 1=0 > 1=0 \$ ex: S, Sec V Si+Sa=huineeluies, eaesay 8,+ So ev super vect V= 0,+02, 0,69,02652 V+W2=41+41+42+42 Yackiav=aluitus)-a-uitava es, esa Sinsa=hxlxesisixesay Singa e subsp. U, VESIOS2 I UHVES, # UHVESO esi esi 652 ESB Am I Si I atves, 052 Yack, aes, ase of ues, si ue sa aues, si a.ues, » a,ues, ns. Deci Sins, e subsp

(colemna Grossmann 8,192 e V subsp 3 dam (8,152) - dim (5,1) + dam (52) - dam (5,752)

Ex: R4 {1.-(1,0,0,0) es: (0,1,0,0) es: (0,0,0,1,0) eu: (0,0,0,1)
81: h(x1, x2, x3,0)/x1, x2, x3 e/e/
82: h(y1,0,0, yu)/y1, y4 c/e/y

a) 8, 150

b) S1 + S2

a) The vosins as use 5, o, vesa o) V=(x,,xx,xx,0) o, v=(y,,0,0,y),) v=(\(\xi\),0,0,0),\(\xi\)=\(\xi\)=\(\xi\)=\(\xi\)=\(\xi\).

5. 352. h(₹1,0,0,0) /₹1618 y b) dum (51,52) = dum(51)+dum(52)-dim(51752) = 3+2-1=4+>51+52€184

