



x+4+2=1 Imy + 32 + x = 2 (m-1) = + x + 24 = 0 Mathan kon he photony trunk /111/1 1 m 3 2 12 11 01 12m-1 | 0 1 m-2 | (m1)(m-1)-2=m2+3m=m(m-3) 2 m 3 | 0 m 2 1 | 2 m 10 2 m-1 102 m-11 = (m2) (m1)-2 = m(m-3) 1 = 1 1 1 d2 - 4 - d4 | 1 1 1 | = | 1 2 123 4-1-4 012 1-1 1-1 110 m-11 0-10121 = m-2 + 2 = m Δ3= | 1 1 | 2 - 4-d1 | 1 1 1 | - | m-1 1 | 1 m-1 | 1 m-1 1 | 1 m-1 | 1 m-1 1 | 1 m-1 | 1 m-1 1 | 1 m-1 | 1 m-1 1 | 1 m-1 | 1 m-1 1 | 1 =-(m-1)-1=-m 實 STARBOOK

* A= 0 (m= 0 v m= 3 · m= 3 co A= 0 nhwng A= +0 > to so repries m=0 a A=A= A, = A, =0, xet (10) 1 2 did (0-12) 1 di di di (0-12) 1 (12-10) (01-2) 1 di di (0-12) 1 He Hading any 1 x +32 = 2 6 2 = 2-3a He is aghiem $x = \Delta_1 = \frac{m(m-3)}{m(m-3)} = 1$ $y = \frac{A_2}{\Delta} = \frac{m}{m(m-3)} = \frac{1}{m-3}$ $7 = -y = \frac{-1}{m-3}$ Vay m. 0, he a vo or inghiem (2-30, 20-1, a), all m 3 to vo nation my 0, my 3, he to righten

4* H = {X = (u, v, w) ER3/6/4u-v+2w/6-5(u+3v-3v DO 18144- V+2W1> O XXER3 => H= {X} +44- Y+2W-105 1-5(473V-7W) 50 VXEIRS -> H= {(u,v,w) \in 183/4u-v+2w= u+3v-7w= 0} Va, b ∈ H, a × ∈ R, ret. da+b=(da,+b, , da, +b,) thoo & 4 (xa,+b,) - (xa,+b,) +2(xa,+b,) 1 = a(4a, = a+ 2a3)+(4b, -b2+2b3) = x0+0=1 (x) (aa,+b,)+3(da,+b,)=7(da,+b,) = < (a, +3a, +7a3) + (b, +3b, -7b3) - x0+0 = 0 Vay H & IR3 * K = { X = (4, v, w) E 123 / (24+5v-w) (34+8v+9w)-01 Xã (1,1,7) € K và (3,0,1) € K nhưng $(1,1,7)+(3,0,1)=(9,1,8) \notin K$ Vay K & IR's b/ V = 1X = (a+2b+c+2d, a-b-c+d, 2a-55-4c+d, 4a+2b +6d) /a,b,c,dell={a(1,1,2,4)+b(2,-1,-5,2)+c(1,-1,-1) + d(2,1,1,6) { ab, c, d \ (2,1,2,4), (2,1,5,2), (4,1) (d, 1, 1, 6))) Vay V= (5) voi 5= {(1,1,2,4), (2,-4-5,2), (1,-1,-4,0), (2,14

->/1129) dered ide 1119 Xel / 4129 / 2-1-52 dard de 0-3-9-6 1 10000 1-1-90 0264 0000 10-1-3-2/ 101321 Do in (2) (5) (4) = - 4) 4 - 4 18 - 1 (1, 1, 2, 4), (9 1, 3, 2) cau 5: là môt cơ sở của V. f(2, 9,2) = (2x 2y -27, 5x 2y 2, x 2y 52) North = f flow u/ f(y)= 0 } to know giannghian flow 0 XA A= /22-2/003/1-25/00450/1-25) - (5 2 1) (5 2 1) 3 - 3 - 3 4 (0 12 - 29 (1 - 2 5) (2 2 - 2) (0 6 - 12) 2-1/ds (1-25) 4-d/d (101)
d-1/d (01-2) 4-d/d (01-2) \$(w)=0 (s) | x + 2 = 0 (s) | x = -a 1 3-23-0 3-29 12 = a & IR ker (5) - 1 upf flow (-1, 29, a)/a = 12] = fa(-1,2, D)/a = 12] = ((121)) = (8) As (the B- 1(1,2,1)) the top tuges sinch non

6/ [g]c,8= ([g(x)]g [g(x)]B [g(x)]B)= (2 -3 1) [9]8 = [9]G8 (C->B) = (2-31) (5-69) 14-d/ 3-35/ = (2-31) (-1-30) = (1-9-7) [-103]-123] 1126 49-2/1032/15-18/ #) f(x,y,+)=(2-9,+72, x+12y+62,-5x-y+82)