liverine cel nep. gogungiouou 6 Tailsdeprobbally rpocomopé: Meopelea Picca: Thoo saranoum beerneg min. venep. goyunyionala b riebs. npocmip, gle Va∈U goynnyioual (a(x):=(x,a)(y) E riviame i nenepepbeum d 11 Call = 11 ally Xxell Mabranu, Il Ma M (mosmo leH) iling Egueuri belleum la EM, maxien, yo l= la (mosmo l(x)=(x,a)) Doblgenne: liverierne la becomme bab З властивости скалериого добуту, a someneue 3 repibuocomo K-10. [(a(x) = 1(x,a) | € 1/x1/- 1/0 1/4 npre x = a leacres "= "=> => 11 Call = 11 ally.

Habraku, flesiale CE III. Suego C=O, mogi l= lo=(x,0) llexour & #0 Posserence Kez l # 11 1 posserence (Nex C) +, nonnelles, yo benne puieme dim (reer l) = 1 Sepero Es i le E(rer l) + - novomeno in Miniterel 3ale neue em (dm(ker 2) + ≤ 1 Позначимо dy: = {(le), dy: = (le) PO3218410 (Ldg eg + dg eg) = = d2 lle21 - 2, lle21= 222-1, d2=0 -> (2 e, -2, e2) = ter l.

Detirelle (ver l) - nignp mo lin Hourd de la la la E (Ker l) (2 e1 - 2, e2) [(ner e) n (ner e) = {0} 2 l, -d, l2 = 9 => l1 i l2 - dine - 3 al => 7 dim (ker e) < 1 Denials mu ker l # H mo 4 - sdin (ker l) 4 = 1. dim (ver l) + 7,1

3 meopeeu npo opmoeonalbeme posklag øyge bunubanue: \X EH: x = g + h, g ever e, h e(ker e) + Mexan 169 - Dorsue l'une el Mogi x = 9+1e, 1 ER(C), h=he. Possesseno (CX) = l(g+1e)= - l(g) + 2 l(e)= 4 l(e) (2) Posselaeuro (x,e) = (g+1e,e) = $= (g, e) + \lambda(e, e) = \lambda$ $\lambda = (x, e) + (3)$ 3 (2) ma (3) ! ((x) = (1e).(x,e)= = (x.le).e) (lf) JoKAagero a := l(e) : e => l(x)=(x,a) l(x)=(x,a), ge a=le).e. bobenu icnybanus
takoro a, ujo l(x)=(x,e). Équicons: Me scart $\ell(x) = (x, a)$ $\ell(x) = (x, b)$ YXEU (x,a)=(x,b) (=>(x,a-b)=0 Bisquelles X=a-6

(a,-b, a-b) = 0 => a-b=0=0=6 Baylanuenus; Hexait Il-girecule réalbéganil npocmip, M'-copenieum npocmip (простир мине метерервина другкую nacebl. Il e H' Flach $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ $l(x) = (x, a) \forall x \in \mathcal{U}. \quad \text{Matrio figurem6:}$ EH' Bignobiguieme (5) e niniviuoro, senso H-giverend:

10570 He, l2 EH' VL, BER: Ll, + Bl2 \ightarrow La, + Ba2. вку Н- Компексина, то взетвриготь антипіна: f c ll', mo goyak. my d fer de a Mpure agé la gire cure (комплекский)) / le(l2) 7!a (a, a, ...) e (2 $(x) = (x, \alpha) = \sum_{k=1}^{\infty} x_k \bar{\alpha}_k; \|e\| = \|a\| = \left(\sum_{k=1}^{\infty} |a_k|^2\right)^{\frac{1}{2}}$ 2) L2[a,6] HCE (L2[a,6]) 6 7 /alt 6 /2 Ea,62: ((x(f)) =) x(t) alt) oft. 11e11=11a1= (5 1at+)12 dt) 1/2