Monother Sozucy mocropy

Ozu. Heson V. Bersegnen upordip trog noven F. Henogomero ingunoneuro B yortopy V trog, Sozarcon nportopy,

- 1) romo carrero riguereno bentrapil 3 erroremen B inimo rezoremeno;
- 2) somen benop njocopy V ciniwas bajorno bed rejez bensojen 3 useoneuru B.

В иотному ненумовому венорному просхорі збори, сіномений обо несмітений.

Венборний прогоїр, в энему 3 сиїнтення бозак, ног. сиїнтеновинірний. Ямую в про-годії спінтеного бозгиц В, То прогоїр ног. неснінгеновинірний.

## Teoperu não dozuc.

Teop. 1 Hero Buportopi V I Sozar os, oz, o, o, and curoque and z n bestopib. Tousi & carrere bestopib uportopy, and curoque as 3 m few opib uportopib uportopis.

Dol. Hescor m > n i leh bz. -, Bin y = A - carelle begr.

Togi za ogu. Sozury fri beneger anceleur A inimes buparcearotad reps bentoger ox, oz...., on.

Occident m>n, 40 30 lecco npo 2 cucaren actedio becagnil A inimo zoceontro I

Howigon & cuinvercolucioroley upoctopi bei sozucu cucagarosad 3 ognovosoro rucco bentopil.

Dob. Heroir & ny. V zorgano 2 Sozacu Brilos, Oz. ..., Omt Brills, bz. .., bat.

Apringenies environing, you m >n. Togi za reop. I anaema

fen. Be in zovenna, votro ne cessue bytu bozniou, roug m = n.

Anowareno novazgosod, ego n ≤ M ⇒ n = m. []

Oza. Poznáprietro crimenduláproso nportopy V reoz. ruceo bentajúb isoro Sozuly inoza. dim V = n.

Feop 2 B cuiwershuipnorey sportsqui & in- regulously carriery

bensomb cereso gonabrece Fu. go formey upocopy. Dob. Tynnychuco bryocsopi Vzogomo in rezol. cucreny lendopile A= Las, az,.., a e y. Auno LA>=V, to za ozu. cuchecca A yorb. Some yeary. Travene Suposico & Bensop ans z enconemen VXAS i curagramo curreny Ben. Azz Los, az, ..., ou, austy. Cercreno feer. As initro regolemen, omileur le sein 2000en fen. He hyaou. repez nonepegni. Broby, anyo LAS = V, 50 As york. Sozue, inavue nyogsbruge us nyogec. autz GV ( < Az > , Az = {as, oz, ..., au autz autz). Augo dim V= n, vo repez n-v uposib em upurige uo go garned whoesphir. [] Y cucrecco " in. rezovourcesc Houizon B nyo-copi pozniprocti n Centopil yoloprot Equic. Dob- Tyunganuo A=las, az-, ans - ein. rezal, cut. Ben. 30 reop. 2 in comme gonobnum go bozney njoerojey; al, sumo un gonnumeno go curileun njunoitersii 1 herosop, To zinguo z reop. I bono s'ot inicireo zod. Brigen hinenbasa, Teop. 3 Heron S. geown aureno benegib & cuive banipusey ng. V, njuraley LS>= V. Togi z actien S evonura ogrpsustu govum dozuc ng. V, anugo nobjustno, bunpenerou Dol: Heson S= Los, Oz,..., omb. Norumasus regeliparu Benoger gibt andelen normeorous z nings; sungs ben. Om initro leuposu. repz nongregrii, fu upeces-suo iroco, invene zounuoscuo. Переходию до вен. от. . Аногогочно, чищо він in bujosu rejeg vonepegni, buyerens suo ivro, avuso sui -Tome revou, je cuinche ruces aposib un njusognes go andern ben. B=1 by, bz,.., bny, suo ion regouserra, i LB>=LS>=V. 3a ogn. uncherw Den. Byth. Lozac. [] Teop. 4 B caire bus up. V & Ben. in Suponoched reps Sozue,

morning organizations. Dob. Pringeness bup. V zognice. germen Sozue B=las, oz. ..., and\_ i x G V - goldbreun feusop. 30 gu. Tozucy, lea. x in legrou. regez fazoc B. Toly zomment oskedu tilen ograziowich. Apringancio X = 12 ost 12 ozt -- + Anon, x= 3, 01 + 8202+--- + 8, 0n Togi Q = x-x = (1/2-1/2) 01 + (1/2-1/2) 02 +--- + (1/4-1/4) 01 les ogépnesses in vous, bozarg = 0. Torrey 1,-1,=0, 1,-t2=0, ..., ha-ta=0 => 1/2 = g2 1 1/2 = g2 1 - . . ) yu = gn. [] 3 gist reopen humalos, up non gincobanoly Sozuci as, oz., an mocsopy V nomen beauty x & V montes ognornorno pormache bin. would. X= MO1+120z+-.+ Madu. Hologriyionin yitt in. vous. noz. noopganosoun benjav x l Sopicias, az. ... an. ча инфринови вседногового одногного, тему при дене. Formir 04,02..., On beetrop x al ceomena zogotaru l'usopomornioni x=(2, 2, ~, 2). Elvingoli upo copu Ozu. Bendopren nporrip V roy novem R ginerux rucer noz. ebnigebuer, grupe vonerin gropegrobarin ropi eleventil x, y & V croburad y hynolignist ginene

ruceo (x,x) i nju gooley fureougrothed gleobu:

1) + x,y & V: (x,y) = (xx) )

2) \times\_{x,y} ? \in V: (x+y, \forall ) = (x,\forall ) + (\forall , \forall ) )

3) Yx, y & V, Y & & R: (dx, y) = & (x, y);

4) Yx6V: (x,x) =0 => x=0.

Pynnigie glod opywerish (x, y), swa Abogurad rea ebuliyabaley mjorkyn, 1008. cualpulle godyskale.

Ho ognowy i vovey ne bewopmony njacogni V mag R N = 1 (2) N1

evoropmen godyson noseyt zogabarn za jizrenen njobucalen. Theys ebeingote npocoper cuibnogwood gn benogni njorsopu, de cualpri godybne sed send zogosii no pizvioley, vo rovi ebuigobi njeropu Blonewrood pizuelen

Hornjochimi reocciguer ouciole chnigoloro nyorbopy

1) \(\frac{1}{2} \in V: (x, y + \frac{2}{2}) = (x, y) + (x, \frac{2}{2}) \)

2) Axiden'Arel; (x'AA) = 7 (x'A);

3) Axer: (x,0)=0

4) Amyo go grincolareoro + E V: (x,y)=0 Yy & V

5) Amyo or ×1,×2 ∈ V i hior +4 ∈ V; (×1,y) = (×2,y) =>

1 pm w - 2 - 2 -

Hephricol Kouin - Dynous Breword

∀x,y €V(ebu.np.) bunony o ma: (x,y) = 1x121y12

The yeary pibricos burrouge rad Es Benoper x, y circiano zovouni, rosno uparni.

De Sumo rpurioneni som z benogib x, y conbragat z 0, TO regibnicos leusayord, aporoley su pibricos.

Ilpunycours, uso X ±0, y ±0.

leson t-regordano zinnea. Togi Yt:

(x-ty, x-ty) > 0 zo 4 ancioleono

Paymuneceo:  $(x,x)-2t(x,y)+t^2(y,y) \ge 0$ 

Ogegoneure abaggarante sporten lig zeinsen t,

njuroley (gy) >0 Anus as gucymeireaning hivonyona D>0, vo

Trurcen ceas jizui ginui uopeni, a voley upu go vod znore mod fin upunces hig cerdi

znorehod, roso sylu re ceonie. Touy D &O, oso

 $4(x,y)^2 - 4(x,x)(y,y) \leq 0$ 

 $(x,y)^2 \leq (x,x)(y,y)$ 

```
=> (x,y)2 = 1x12 |y12.
Pilaire burouge AD =0
Tosso spurier mos ogureur nojimes t = to.
 A vocey (x-toy, x-toy)=0
 Bo octansiono auciocepro: x-toy=0, x=toy.
Todo bewogn einimo zoremi
 Hobroun, Duego x,y-in. zoverneni, To Com vyestri,
 a rowy nu garoney 26 R: X= 24
\Rightarrow (x,y)^2 = (xy,y)^2 = x^2(y,y)^2 = x^2|y|^4 = |y|^2|xy|^2 = |x|^2|y|^2
               Hepibnist Tynnystense
Do & glose Reatomb x, y 3 elu. np. V buron:
   1x+41 = 1x1 +141
Dob: 3 rep. K-6. lunestas:
    |x+y|^2 = (x+y, x+y) = (x,x) + 2(x,y) + (4,y) =
    = 1 x12+2(x,y)+1y12 = 1x12+21x11y1+1y12= (1x1+1y1)
  =) 1×141 € 1×1+141. D
```