

5) 1 V = V, (1 E F) V E V 6) \((u+v) = \(\u+\lambda V, \tau, V \in \frac{1}{2} \) 71(h+M) u= lu+Mu, the, LEF, tueV 8) (hu) u = L(uu), Hl, ueF, HueV Mpunepu: 1) V = & f | f: |R > |R } -benzuer.
c geopureparen orepaque: (f+g)(x)=f(x)+g(x), txeR (Af)(x) = 1. f(x), theR, theR Robepelone avanoure: Keua f,g,h EV, l, MER 1) (f+g)(x) = f(x) + g(x) = g(x) + f(x)= (9+1)(x)2)((f+g)+h)(x)=(f+g)(x)+h(x)= f(x1+g(x)+h(x)=f(x)+lg+h)(x)=

=
$$(f + (g + h))(x)$$

 $31 \theta = \theta(x) + 7 = \theta(x) = 0 + x$
 $(f + \theta x) = f(x) + \theta(x) = f(x)$
 $41 = f = (-f(x) + 7 = (-f)(x) = -f(x)$
 $(f + (-f))(x) = f(x) + (-f)(x) = -f(x)$
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2) V = (Juseph, re e gledoupeupaka your lu répousbegerne) no vourneucrue rucho.
you (u npouzbegerne) na
3a roba ppu le RCCuzel
3a toba ppu le RCCuzell uname lz EC
AKONOTUZNO U NPU LED UNU
LE C (toect and chepien nonero)
=> Cenn. nag Q
Cenn. rag 1R
Cenn. nog C
3ag- Neva V=IR+ F=IR c geop onepayen # 4 [.]:
c geop onepayun [# 4].
X H 4 = X4+1 /2 = C1/ 1110 /D
XETY = XYF1 LOX = L2X HX, YEV, HLER
Dou, re V Heen.n. rag 1R
Dok, re V Heen.n. Rag IR (npunouran-IR+= &x 1 x & IR, x>0}

D-60: Par noorbonne arenonn, ga "ozynam" menore or Tex Az m rapecax Tazu: 2) (X F) y) F(Z = (xy+1) HZ = (xy+1) Z+1 = (xy+1) Z+1 = xyZ+Z+1, 100 X A(yHZ) = X A (yZ+1) = = X(yz+1)+1= Xyz+x+1 M nporuboperus (XHY) Hz + (JHz) => V re e runeiro npocrponcibo

MOHIE de TO no happete u c apyru oboù croa, a no haus ca u c glopuhuyuu ta va one payuu ta, aus nanpuhup a t b nu uznpaya uzban V za ne no ubu cro u no cru

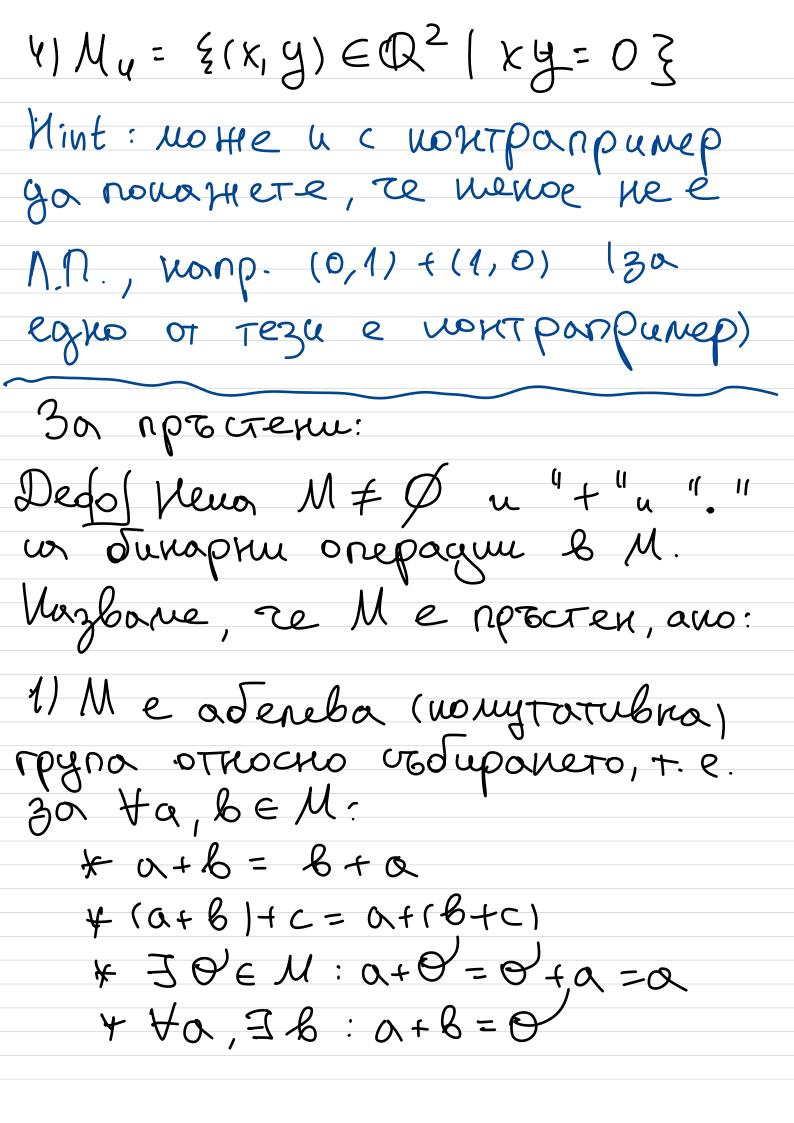
Mognisoctpance bo:
Mera V-1.n. rag F u W V.
AND IN HUVEW WHIEFE WAD TO
Aus za Hy, vew u the Fe ugn, re u+vew u h.uew, to we
n.n. Kazbane re tu e rogrpo- ct pancibo no V u denemum <
ct pancito vo V u denemun c
$W \leq V$
Voraro neuso e noguri-bo na
sure una noctparatio, memo
ry Hga ga gourzbane au cuo mure:
3ag- Neua V= & f (f:1R->1R3
$u W_1, W_2 \subseteq V$:
$W_1 = 2 f [f(1) + f(2) + f(3) = 0]$

 W_1 , $W_2 = 0$ W_1 , $W_2 = 0$ $W_2 = 2 f(f(1) + f(2) + f(3) = 1$ $W_2 = 0$ $W_3 = 0$ $W_4 = 0$ W_4

Pew: New
$$f,g \in W_1$$
, t-e.
 $f(1)+f(2)+f(3)=0$
 $g(1)+g(2)+g(3)=0$
Torabo 30 $f+g$ lemane
 $(f+g)(1)+(f+g)(2)+(f+g)(3)=$
 $f(1)+f(2)+f(3)+g(1)+g(2)+g(3)=$
 $=0$ $=>$ $f+g \in W_1$

Here $\lambda \in \mathbb{R}$: $k \in \mathcal{L}$: $= \lambda (f(1) + \lambda f(2) + \lambda f(3)) = 0$ $= \lambda (f(1) + f(2) + f(3)) = 0$ $= \lambda (f(3) + f(3)) = 0$ $= \lambda (f(3) + f(3)) = 0$ $= \lambda (f(3) + f(3)) = 0$ $= \lambda (f(3) + f(3)) = 0$

Cera neua f, g = W2: f(1) + f(2) + f(3) = 1g(1)+g(z)+g(3)=1 f+g: f(1)+f(2)+f(3)+ +9(1)+9(2)+9(3)=1+1=21=> f+g & W2 => W2 re e 1.11. 30 gapamheme: M.M. ru ca rogen-Bata na Q2? (1.11. rag nonero Q): 11 M1 = \(\{ \text{X}, \text{Y} \) \(\text{Q}^2 \) \(\text{X} = 2\text{Y} \) $2)M_2 = 2(x,y) \in \mathbb{Q}^2(x=2y,2x=y)$ $3/M_3 = 2(x,y) \in \mathbb{Q}^2 \mid x = 2y + 13$



2) acoquer rubuoct na ynkommerouero, re 3a Ha, b, c e M 4 (ab) c = a(bc) 3/ guerpudytubroctite 3a *a16+c1=a6+ac ta,6,cell $\kappa(a+b) C = ac + bc$ llongtatuber rpoctex: Mena Me npocter. Ano ab=ba, ta, b = M => Me nony T. np. Mpouren ceguringa Henra Me npocter Ano Je EM: ae = ea = a, Haell => Menp.c1

Mpunepu: +Z, Q, R, C co nongt. 100 cresu c 1 * Mn(R) 2 reforter = 1 & [R[x] e npoctex be. noverour c pearry used *6Z=26n/nEZ3e npocreu 6n. 1=6n, no 1\$6Z =)6Z e npocten des