17.11.2021n Nexyus 8 Hexa V e n. uples, V+ for may zus F. Една с-ма ври В е базис на V, ско 1) Be MBana n 2) V= e(B).

down V = down V = 17 (=) B={eu.,eu} of men 16. Aro Ve Kp. N. Rup (down = n < se) u WEV. Torontoa Wekp. M. A. upbo 4 dow W = dow V. 860: V= e({ e, -, e, }) u W = V W= e (flings), KSD = damW=KSD Savare Na W u K=N W=V. Th: Hexa V+{03 kp. M. N. uplo rag zu. F. Egna c-Ma bou B=l(bs, n, bs) e dousue har V (=> + WEV ce upegorals us equerisper names war a. Koud. in Borne Do: B={ Bs. long fague har V 4 WEV u neva gouyonomire dieF, pief, intin W = 4 bit + the bu = fr bit - + for bu (1-61) 61+ (2-16) be + + (do - fa) 6,=0 { bi}," S. Na V >> AH3C-Ma => di-f=0 => di=fi => 3! di ef: w= 3 do 85. Odjamo, and twel, 3! Lief: W= Zdibo. l(bin, bi)=V u ocraba ga upobejus, ze = 2 by + 2 bp + - + 2 by = 0 } 2=0 def enter

2 by + 2 bp + - + 2 by = 0 } 2=0 def enter

8 by + 0 bp + - + 2 by = 0 } 5=1 in By B= {B., Bu} e 143 arra, Tre => B e Sazuc ra V. Chr V= e(bs,n,bu) u 3! upeg arabs me ra My relusi by know 1. hours. Ka byroc by,...bu => {bis," ed. na V.

W= 2 debo. Kashaugre (ds,...du) ca Kooppunaru na by W orsero J. Bu osnaraballe W= (Ls, Ls, n, du). Сума на повиво прансова Hexa Ve n.up. nago z.m. F u U = V u UNWEV $W \leq V$. U+W= e(UVW) 16. Ce re rux ra faming vogupes ia V, T. R. H= NWi = V, and Wi = V. Hab ret ies Lates Wiser > e H

Haber 260) ie I $Wi \leq V$

Sef. V- xp. n. n. upbo nag zu F u B={Bi},"

e dogue now V, thre V => 3! do GF, 5=1.17:

 $U \cap W \leq V$. TE. USVUWSVITO JUVW UUW = V (=) { U = W = V W = U = V YUW Haucrung and ac U/W u beW/U, use novament re at b=c & UVW => UUW \$ V. $\alpha + b = c$ => $b = c - a_{eU}$ ϵ_{U} => $b = c - a_{eU}$ ϵ_{U} => ϵ_{U} (gov.) ϵ_{W} ϵ_{U} possiboperase 7 6 C&U. a+b= C = W/goul GU/W uporubo porue OC¢W OC¢UUW >UUW\$V.

Deg. Hexa V e n. upos nog F, U≤V, W≤V. Cyma De U+W na usgupbava U 4 W raguzacea U+W={6=u+w/JweW}. 龙. U+W W. 260: Hexa ta, & & U+W, & LipeF =) La+p6=L(4+44)+b(42+42) (=) ae U+W => 3 use U, 3 wse W! a= 4+44 6 c U+W => 3 use U, 3 wse W! 6= 4+44 Latple = (Lutbuz) + (Lwithwa) Has well well well eut of Utwell. Cn: U+W=e(UVW),

Def (o Do Sujerave) Hera V e 1 rup. rag 24. F U Wo & V, i=1,k. Torabos agua ka nogas Bara W, r, Wk rap W1+W2+W1...+WK={v=U1+...+UK) 346Wig =V Cn: W,+W2++Wk= l(W1UW2U-UWK). The (30 passeprocente na U+Wu UNW) Hexa Ve n. uplo nog z. wone F u nexa U = W V n W = V car gle kp-12. 1. 49h na V, don U=K<0, don W=S<0, Torolla U+W u UNW ca compo LOP.M. N. upbox u e 6 cuma cregnara Zorb u cu mo co; dem(U+W) = down U + dom W-dom(UNW)

Dho: Somo e, re UNW e Kp. M. L. upbojna UNWEUEV 4 UNWEWEV dow UNW = man (K,S). 4 acrus cayrais: Aro V= fot " W=V=> U+W=W $U \subseteq W \subseteq V$ Areo W={0} u U \le V => U+W=U W \le U \le V Ano U = V, W = V, Un W = { Of Torales ceren ugua source, no deseUNW=0. Hexa U+ fos, H=V, W+ fos, W=V, Unw + for Keka don UNW = Z < wilk(K,S) Da usoepeu Sourc des de, -, az na UNW u ga gononnum go deenc na U, The suna anan, as been y be e days wall

Hexa as, az, -, az, cross , & Sague of W. Use worker the consum (8) as, as, -, as, bess, ..., be, Coss, or & ca dage Bracomocr, dom(U+W)=x+x-x+s-e= = K+S-Z=doull+douW-dow UNW. Devoob weare, l(as, as bus, by Cas, se) Yve U+W => v=u+w= 2 dia + 5 dibe + + Z B, Q. + Z J. G. => V El (di, bi, ce)

Other as gar in beginned concre by to B

e 143 C Ma B pla 2,9+-+ + 20 ch + / the con + / the but + 1/2 6=0 $aeunw \\ a+b+c=0$

$$\alpha + \beta + C = 0 \iff \beta = -\alpha - C \implies \beta \in U_{NW}$$

$$u \left\{\alpha \right\}_{1}^{2} c \alpha \delta \cdot \kappa \alpha V_{NW} \implies \exists ! \Omega_{1, m}, \Omega_{2} :$$

$$b = 0, \alpha_{1} + 0, \alpha_{2} + . + 0, \alpha_{2} \qquad \exists t \implies b = \beta_{1} + \beta_{2} + \beta$$

Taxa noxessammes & Clam Ca boss mox) C41,-, G} e S. m UAW => U+W expM. N. upoo u dry (u+w) = x+s-z=dsult+dsuW-daysu) 305. U+W={c=a+6/36eW} FUE UNW = V=V+O = O+VEW= = = 2V+ 3V = 5V+ 5EW Det. Hexa Ve nuplo rag zuone F 4 U = V u W = V. Superiora cyma na noguplana U u W naprovane useuplors UDW={ c=a+b | J! beW}

Lef (0 do Sujerus) V Tup 4 Wo = V, 5= Tex. Dupok tha cyma nor Wi, Wer, We responde usenplose WIDW20.-OWX = {V=\xi u_i/3!u; eW3 Th! Here V= VIDV2 (=> 1) V=V1+1/2 2) V1 11/2={05 Dbo! V= V10 V2 => 1) V=V1+1/2 no def u we V11/2 =>]! w1 e V1 ; w= 41/42 3! w2 e V2 WI = W-UZ => WIEVINVZ EVI EVZ WZEVINVZ W= W+O=O+W cashes >> W=0 >> V1/1 1/2={05. 0 Apang neva con 6 ama 11 u 2/ =>

$$\begin{array}{c} \alpha-c=d-b\\ \in V_1 & \in V_2 \Rightarrow \alpha-c=d-b \in V_1 \cap V_2\\ \in V_1 & \in V_2 & \in V_1 \oplus V_2 \\ \Rightarrow \alpha-c=\sigma \text{ is } d-b=\sigma \\ \Rightarrow \exists ! \text{ a } \in V_1,\\ \alpha=c & \exists ! \text{ b } \in V_2 \\ \hline W=\alpha+b=\Rightarrow \forall Y=V_1 \oplus V_2. \text{ Pages}\\ \hline \\ \mathcal{D}_1 & \text{ b } \text{$$

V=V1+V2 4 V1/1 V2= 203.

w = a + b = c + d, $a, c \in V_1$

16: Hera V e rruepro r. uplo rag z uone P. Hera {li}," e Same na V u 1 = K = n. Torolog V, = l(l1, ,, lx), V2= l(lxxx, , lx) => V1 @ V2=V. Offano V= VI @ Vz, To also les, in le e Sarric na V_1 , a letter, la e S. noi V_2 , Torongo $\{li\}_1^{M}$ e Souric noi V.

Brownson, $drin(V_1 \oplus V_2) = don V_1 + drienV_2$. 1001 P21-11, Px, Px+1, -1, Pu Sague now V V= e(ei,i=11x) V2= e(ei, €= x+4, n) => V= V1 € V2 H weV, 3! di €F! W= di 6+ tde le tde Hera WE VINVE = W= Jug++ pre= plant - the

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β1= ... = βx = ∫x + = -- = β, = 0
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7, e, + - + 2 & & V/1 N/2 = {03} =) -1 K+1 (k+1- - - - 2) Ry & V/1 N/2 = {03} Ax+1lx+1+ + duly=0 2194 taxex=0 Elosur S. no V2 = Ma {li}, S, KaVI => AKS Tog Ii=0, i=KH, N Tes LE=0, SIIK I li=0, i=1,n tel flos," e Ms.

Tel flos," e dance na V. The Herea Ve Kp.M. n. upbo (don V=n=0) u U ≤ V 1 ~ 3 W ≤ V! U@W=V. Dbo! dan U = dam V=17 dru U = dru V=n => U=V, W={0} V=V \P{0}. Kexa donU < n

Hexa dow U=K < dow V=D 4 ls,n.lx-Dra U. Downbau go Source now V, The Mera lymbe, lay, why Sasu na V u glefo W= l(lass, -, lu) U=l(lamle), W=l(lases, la) UDW=V=>BWSV! UDW=V. the Hexa V e n-ruepres n.up. roy zu F u lundu e Same na V. Poraba V= l(4) & l(6) & ... & l(a), re V e superous cyma na 1-repunse Wogupba, kono ca n. odbabza na plane or Eader gaine 5