$F^{\times} = \{f: X \rightarrow F\} \quad (f+g)(x/) = f(x) + g(x)$ $(\lambda f/(x/) = \lambda \cdot f(x/)$ F/N - pequezine c en. of F Dog Kenn U u V ca 1 to vog omet. Usodp. P: U - V ce voguren summino vsolp. (AU) oko: 11 $\forall u_1, u_2 \in U$ $P(u, + u_2) = P(u, 1 + Y(u_2)$ 21 $\forall \lambda \in F$ $u \forall u \in U$ $Y(\lambda u) = \lambda P(u)$ - MOHOMUJAUSTA treo Te una ulno - eaunoj poren appert who - usomopfustm Sueses which

Bows. Y: U-7 V & MUE) HI, MEF u Hu, uz (-U) 4()u1+ pu2) = 2 4(u1)+ (Z) WAGF u Wu, u2 G4 + pe 4 (UZ/ P (LU1+U2) = 2 P (U1) + Y (U2) $\frac{3u \cdot \delta}{u_{1} + u_{2}}$ $\frac{4(u_{1})}{u_{1} + u_{2}}$ $\frac{3u \cdot \delta}{u_{1} + u_{2}}$ U Aco PiU-1 V e UM, TO 3a h-c Un V ca keposkaruma vo mega ~ 5. on NA

Th: Kenn PiU - V - Swanger un U e ATT may F. Toucher V e NT may F conep.; YV1, UZ EV V, +UZ:= ((4-(V,) + 9-(V2/) 4) EF, 4VEV 2V: = 8 (2..4-1(V)) 3.5. Janue, a one Verto vay $F \in S^{*}$ 0 a cp, v e UM $- u_{1}u_{2}eU$ $e(u_{1}) + e(u_{2}) = e(u_{1} + u_{2})$? V1 = P(un), U2 = P(u2), u1 = P (V2), u2 = + (V2) $-\lambda \in F, \nu \in u ; \nu = \varphi(u), \alpha = \varphi^{-1}(\nu)$ $\lambda \varphi(u) = \lambda \nu = \varphi(\lambda) \varphi^{-1}(\nu) = \varphi(\lambda u)$

Houp. Kongroveni: D. Co na 76 V1, V2 EV ? V1+V2 = V2+V1. u, = + - (v,), u = + - (v,), v1 = + (u,), v2 = + (u2) V1+V2 = 4 (4-1(V1)+4-1(V2)) = 4 (4+42) V2+V, = 9 (4' (V2) + 4-1 (V1)) = 9 (42+41) " usomop bles" 3as. 1:U - V UM romen $u \cong V$ 3 cd. F/ = { { { { { an F } } }

$$\frac{\pi_{f}}{f} \left(\frac{12}{34} \right) + \left(\frac{5}{7} \frac{5}{8} \right) = \left(\frac{1+5}{3+7} \frac{2+6}{4+8} \right) = \left(\frac{6}{8} \frac{8}{10} \right) \\
5 \left(\frac{1}{34} \right) = \left(\frac{5}{5.3} \frac{1}{5.4} \right) = \left(\frac{5}{15} \frac{10}{20} \right) \\
5 \left(\frac{1}{34} \frac{2}{4} \right) = \left(\frac{5}{5.3} \frac{1}{5.4} \right) = \left(\frac{5}{15} \frac{10}{20} \right)$$

(1,21 - 2

(2,11 1-3)

(2,21 1-) 4

 $\begin{pmatrix} 12\\34 \end{pmatrix} \longrightarrow \alpha: \langle 1, 1/2 \rangle \longrightarrow F$

Of Here Ve ATT my F. U Chapurone hun trograporation na V (u = V) (1178) onco U e 10 may F oshorno sarpagnine la V TE. U = V (=) | V u, u, E u u, + u, E u VX (EF, Vu (-) d u (-) u) (0. u= dy = du ', (-1/u= -u; polenisten & close co sum) $\frac{1}{1} F^{n} = \{(\alpha_{1}, -\alpha_{n}) \mid \alpha_{i} \in F^{n}\} = \{(\alpha_{1}, -\alpha_{n}, \alpha_{1}, \alpha_{1}, -\alpha_{n}, \alpha_{1}, \alpha_{1}, -\alpha_{n}, \alpha_{1}, \alpha_{1}, -\alpha_{n}, \alpha_{1}, -\alpha_{n}, \alpha_{1}, -\alpha_{n}, \alpha_{1}, -\alpha_{1}, -\alpha_{1},$

 $F[X] \subseteq F^{N}$ $a = \left\{ 2i \left\{ i = 0 \right\} \right\}$ $n : mox \left\{ 4i \neq 0 \right\}$ $\frac{n}{2a_{i}x^{i}} = a_{0} + a_{1}x + a_{1}x + -+a_{1}x^{n} - boundary$ $\frac{n}{2a_{i}x^{i}} = a_{0} + a_{1}x + a_{1}x + -+a_{1}x^{n} - boundary$ $\frac{n}{2a_{i}x^{i}} = a_{0} + a_{1}x + a_{1}x + -+a_{1}x^{n} - boundary$ formen permen menterproper cero sommen in isportern.

n - creven na a : dega Fn+1[x]:= fa [F[x] | dego = u7 [n+1] (as, a, - a, 0, -)

= 0 per suren The Crequie Thopgene ca exclubarerson (1/ U \le V 2) KKEN, HA, JEGT, Hu, Ju, + Lux +_+ + KUKEU 37 Fu, uz Eu; Hx MEF Ju, + Mu, EU 41 Fu, uz Eu - HXEF Ju, + uz EU (5) - Jujuech u, +426U - Vueu, YICF LUEU

3.5. $U \subseteq V$ $u \subseteq V = 1$ $U \in \Lambda U$ ' $\chi \subseteq V$ Ung V & Não may F l(X):= AU - menein adhhar ran X $\chi \subseteq \mathcal{U} \leq \mathcal{V}$ Koslore ano, re X vopornye l(X) Aco X= {x, x, y, men l(x, x, x,) Cl-6-1/C(X) & V; X CC(X) 2) l(X) e mumoranor troppostjonalo pol,

3/ Aco $X \leq V$, TO C(X) = X4) $\ell(\ell(X)) = \ell(X)$ $5/X \subseteq Y \subseteq V = 1 e(X) \leq e(Y)$ 6) $X \subseteq Y \subseteq V = 1$ $e(x) \subseteq Y$ Day 11 1, TREF, VI VREV Σλ: Vi = λ, Vη + λ, V, + -- + λ, EV, EV le bigure suriei un somborteure (1K/ no VI, UK (1000 & orguero) 100 /K

2/ D.V, + O.U, + - + O.U_K = O - Thulmorem AK be V, V_K 14 + MV = 0 - Trub. AK. (1= p=0) - væspul. AK = 1 70 - U= (- f) V = p = 0 - V = (- 2) u (13/ 31 v, ~ vk cor suming a zelnem a jones 5 begrelmonn NK, ko er gelo d , 5. e. J 1, -, tk (F = | (x, -, tk) + (0, -, 0) えんじに この 41 vy m V « ca monino worker cum (NH),

or \(\frac{\xi}{2} \dagger \); \(\vartex_{1} = \dagger \) \(\text{coney} \), \(\vartex_{2} = \dagger \), \(\vartex_{2} = \dagger \). Te e(x)= 1 \(\frac{1}{2}\) \(\lambda_i\) \(\lambda_i\) \(\frac{1}{2}\) \(\lambda_i\) \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}\) \(\fr D-Co / 5.4.7= ((X/=)U (z) = u) $|V \in T = V \in A(C \in C_{T} = X = T)$ $= 2 (\forall u \leq v : x_1 - x_k \in u = v = Z\lambda : x_i \in U)$ $= 2 T \subseteq C(x)$

2) (2) T EV (agrica na TK na en. or X & AK na) en. or X) Sans a carso X ET Toular T: X ET EV (equas & winter & Arco U: X E U E V, 50 (KI E N U X E U E V) HAC tru & p & X & G U Z) =176=1 T \le \lambda U u T \e equo or u'm XSUEU ENT DU=TP(DU/CT =7 TCDUST=0 =