0/0H1.87184 Dyann mpocmparemba V-run npocmparembs mag F u f: V->F-4305pancesure f ce rapura annevira ofogrkryne (mineur obykrynonan) moraba f(2, aut - + 2, and = 2, f(a,) + -+ 2, nf(an) - Hera f: Fh->Fe mul. ofo-l, moraba I a,-, an &F: f(X1,--1Xn) = 91 ×1+--+ an Xn $X = (X_1, --, X_n) = X_1 e_1 + -+ X_n e_n \in F^n$ =) f(xeg+-+xmen) = x, f(e)+-+xnf(en) u f(ei)=ai&F $x_1a_1+-+x_na_n=f(x)$ Ln (F) = { f(x) | f(x): F">F-MH. 0/0-2} f(x) = a1x1+-+anxy = Lultu g(x) = b1x1+-+bnxy ELu(F) $\int f+g = (a_1+b_1)x_1 + - + (a_n+b_n)x_n \in L_n(F)$ dfz(dayx,+-+(day)xn ELn(F)=) bn(F)e men. npocmpanembo 2) fashe for Ln (F) e x1,-, xn 2) dim Ln=h

dott 82134 A120 E: Ln (F) -> F e mm. doynky 40 Han -> $\exists b_1 - b_n \in F$: $\forall (f) = \forall (a_1 x_1 + -+a_n x_n) = a_1 b_1 + -+a_n b_n$ $\forall (x_i) = b_i$ $a_1 \forall (x_i) + -+a_n \forall (x_n)$ F = { e(x) | e(x) = Ln(F) > F e mm. doynkyhonan} ako Venograp. Ha Ln (F), moraba i "" = {a \in F" | f(a) = 0, + f \in U} - ary namop $U'' \subset F''$ e peruerue Har xomorennama cucmema: $f_{x}(x)=0$ 30 $f_{y}(x)-f_{y}(x)-Jasuc Har U$ U'': $f_{x}(x)=0$ $f_{y}(x)=0$ $f_{y}(x)=0$ $f_{y}(x)=0$ $f_{y}(x)=0$ $f_{y}(x)=0$ $f_{y}(x)=0$ $\{0x_1 + - + 0x_n\} = F''; (L_n(F)) = \{0\}$ ako We nogna ra F^h, moraba:

 $W' = \{f(x) \in L_n(F) | f(a) = 0, \forall a \in W\}$

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Don: 82134

U, W-nognp. Ha Fh

M, 9

1) $U \subset W \Rightarrow U' \supset W''$ 1) $M \subset W \Rightarrow U' \supset W''$ 2) $(U + W)'' = U' \cap W''$ 3) $(U \cap W)'' = U' + W''$ 4) (U')'' = U4) (M')'' = U5) $\dim U + \dim U' = N$ 5) $\dim U + \dim U' = N$ $(U \cap W)'' = U + U' \cap W''$ $(U \cap W)'' = U + U' \cap W''$ $(U \cap W)'' = U + U' \cap W''$ $(U \cap W)'' = U' + W'' + W''$ $(U \cap W)'' = U' + W'' + W''$ $(U \cap W)'' = U' + W'' + W''$ $(U \cap W)'' = U' + W'' + W'' + W''$ $(U \cap W)'' = U' + W'' + W'$

M, S - nogm. ra Ln(F) T8 1) MCS => M° DS° 2) (M+S)° = M° DS° 3) (MDS)° = M°+S° 4) (M°)° = M 5) dim M+dim M°= h

 $a = (a_1 - ja_n) \} \in F^n \rightarrow f_a(t) = a_1 x_1 + ... + a_n x_n$ $b = (b_1, ..., b_n) \} \rightarrow f_b(x) = b_1 x_1 + ... + b_n x_n$ $b = (b_1, ..., b_n) \} \rightarrow f_b(x) = b_1 x_1 + ... + b_n x_n$ $b = (a_1, ..., b_n) \} \rightarrow f_b(x) = b_1 x_1 + ... + b_n a_n = f_b(a)$ $b = (a_1, b_1) + ... + a_n b_n = b_1 a_1 + ... + b_n a_n = f_b(a)$ $b = (a_1, b_2) + ... + a_n b_n$ $b = (a_1, b_2) + ... + a$