

Sume directe interne de subjetet

Exemple. File V1, V2 sp. veil n V1 × V2 produsul Corollact

(2, x2) = (x, 0) + (0, x2), (x, 0) eV, x40r, (0, x2) e E01x V2,

dect orice element du V, x V2 se seule ca sume unui

element du subspatient V, orob cu un element du subspatient

40/20 V2. Mai mult, e clar ca a est fet de representare e

unide.

Def. Fie V un K-spreect of Un, Vn sulespelle lui V.

Spuren co Veste sume albeild butelind a sulespetitler

Un, Un dock drice & EV so scrie in med and rule sule forme

X = X1 + + Xn, on X1EU1, - Xn EUn. In acest ces

rom note V = U1 @ - @Un.

Perox. File V an Ksp. ved si U,, Un subspeller Sunt echineslenter

9 V= U, O-OUn

2) je V=U, +-+Un né 10 Pt orice (Lich over (Vin (\(\frac{2}{15} \) = 0

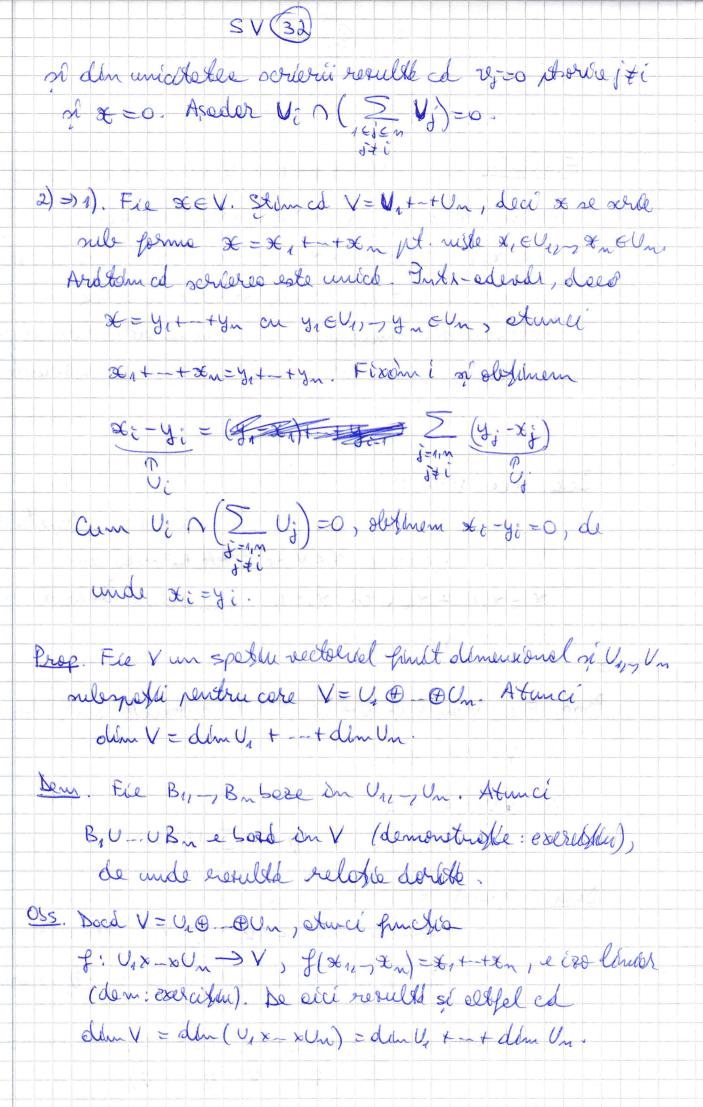
Dem. 1) => 2) E clar cd V=U, ++Un.

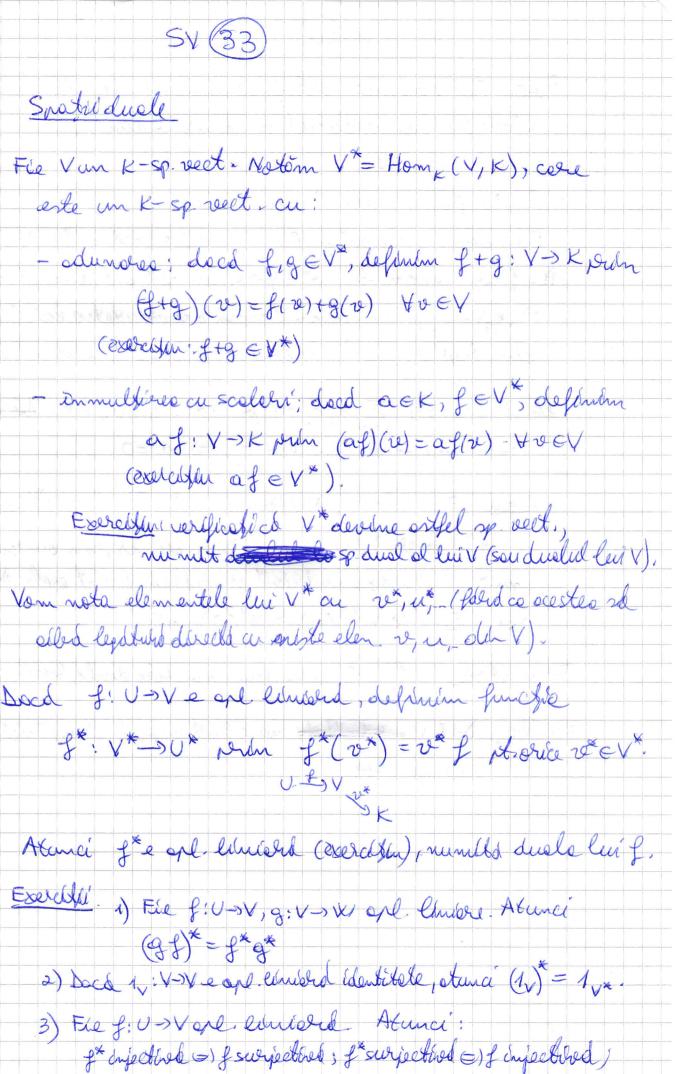
Fiximi on fix & eVin (ZVj). Atmic xeVi of

x = Z vj ptniste elemente vja vjeVj ptorice j to

Arem 0 = 2, + + 2; + (-x) + 2; + + + 2 = 0 + -+0 +0 +0 +0 +0)

Vi Vi+1 Vi Vi+1 Vn





f (80 (3) f 180.

