Test seminar 2 Stim (Zani) monoid. en. = 7, ox = 0x = 8, txeZn = 0 nue inverse Dea' (Zy, .) monorid (23, x) =1, +× € Z/23 => (Z23,0) grup 2) S=1 a+biv3 | a,b ∈ Z3 0 =0+0iV3, 0=2/ -1 0 es }=1 |s|>2 Tie X = X, +X21/3, X1, X2 € Z Y = Y,+ Y2 [13, Y, 1 42 € Z X-7 = X1 +x2 CV3 -Y1 -Y2 113 = (x1-71) + (x2-72) iv3, x171, x2-72 € Z => +x, yes, x-yes Tie y= y+ y ilis, y, y = Z, y = 0.

Alegen 1,=3, 12=0. Y = 3 +0 iv3

y-1= 3 + -0 c/3 = 1 +0 c/3 ≠ 5

= 9 me este subcorp.

(Serlitz)

79·1

3) f: 122+1 12 , f(x1,x2) + (-3x2, x12+2) Tre x, B & R, (x1, Y1), (x2, Y2) & R+ f(a(x1,41)+B(x2,42))=f(ax1+Bx2, a4,+Bx2) = (-3(a Y1+By2), (ax+Bx2)2+2) = (-3 x y, -3 p y2 , x 2x12 + 2 x p x x x + p x x 2+2) x f (x1, y1) + B f(x2, y2) = x (-341, x12+2)+10 (-342, x2+2) = (-3 dy, -3 By2, 0xx,2 +20 +13x22+2/3) A+B => f nu e transformate liniarà. Pg-2