1

SEMOWAR 11_133

Ne recentitue: De cad Gre grup, ear # 4G, stunce ((G/H) = (G/H) of 3) F et e grupul care are: · Multimea subtacenté (9/4), (notata frecreet of x.y=xyt). in G/H arcu! R=y >> ryett of no particular * 2 e (=) * ett re (R,+,) me mel & fie I & R. Cum (R,+) ette grup abelian, I e sulgrup norm al al tare, dea' puteru construs grupul factor (R,+).

JAR n'i de aceea, daca connderen 4, x', y y'er daca daca ton y geg' n'?

atura x-xeI & y'yeI, Is dry J xy-xy-xy-xy-xy-xy-xy-xy-+(*(y-y)) TER. Led xy = xy. Ca uruau, operation = * T - R, Emedial faitul cà accordi operative e ans viativa of distributions for le $\left(\frac{K}{I}, +, \cdot\right)$ certe inel. OSS: Daca Reconsulator, Reconstitot Davis Remuter of Remuter (meitalea de find 1) Morala Lat find un mel (Pit,) of mu ideal Materal I al Lau, INCELL FACTOR 1 ette melul care are,

! (oka , kez) Troduce so princein ata..ta za (IFIT-IT) · ad, XER. Cot kin) ?. No slow during who mu of altern. De aceea, verife! · ax-ap za(x-p) c 3a, p: per? · (xx) V2 a(xx) E3a. p: yee R3. Hx, a CR, ok. Oudlyse! (Eas) = Sa. x: x e R } met a R. Analog & oflowe! (a) 2 2 x a : x + R ? = Ra (a) 2 { × a p : ×, p + R3 = Ra R Don daca arrey mai multi generation? ({a, b}) = aR + LR = {ax+LB: x,BER} (a,1,c)d= }ax+bB+cy: x,BiyER). The feverals (M) = 2 = xxxx: nent, xxxM, xxxx)

CX 3+1) not A G Descript melul factor of toolee, A= SP: PEROXIE : Negrun; 14- 14-12- 2= 3x7= <32x75 = (x2(x3+1) - x2 = -x Analog 16 14 alea AVEM MULTE REDUN-Ne am dow o reprojectore a elementiter lui A care to pre " l'redundanta" The acest scop, esternou: 1) Doca PERDO, of TIR, JQ, REARDS (P= (x2+1). Q+R 1 grad R < grad (65/1)=2) Jailer FRERCO + 95 + 5x) +xds P= (x2m) Q+ ax+ bin - shs+s+ de mude

Ja, S GUR A = ax+6 = ax+6 Decà convideraen p: $R \rightarrow A$, $\varphi(\alpha) = \hat{\lambda}$, almoi $\varphi(\alpha) = \varphi(\alpha) + \varphi(\beta)$ $\varphi(\alpha) = \varphi(\alpha) + \varphi(\beta)$ $\varphi(\alpha) = \varphi(\alpha) + \varphi(\beta)$ $\varphi(\alpha) = \varphi(\alpha) + \varphi(\beta)$ Dec, q e morfron (uniter!) de viele.

The plans, pt octobs Rekerbes Lastes (2) 50 (2) XE (XF1) (=) (2) Ols (CerRS) Daca (R, +, 1) e mel, rar Q ER, (a) = d xa:xtR) = Ra (a) = } ax : x 6 R ? = 9 R 7(2+6+c) (26+ ca) z sxa s: x, B e Rs Els Daca R e consestator, cele tree April de releale cornicid, on de obicei foborni. (a)= } xa! x ∈ R} Deal, (2) (=) = 3 Ser2(X) \(\nabla = 5 \cdot (\chi \frac{1}{2} + 1) \) (=) X20. Pp 5+0, Ca armane, y e injectora. frad MS & O < 2 MD, X) le auscanta monten valentopea R cu lup, ceea ce ne va Ingera na notain clementere lui A de forma ée cu nou ouplu u. Ou acete hiorisi ne muite, (1) = {ax+b: a, book} = (3) Notand of & cu 2, op - ac (3) = daz+b: a, bear, 2=x3. =4

Sa observaru acum ca job a, L, c, dour, 6 a) + b = c2+d to ax+1= cx+d (2) ax+6 = cx+d () (-a)x+d+) (x24) (= => JQENZ(X) (C-9) X+(d-1) = (x2+1)Q (1) Der daca Q \$0, 13 gradus=gradub ? 2, d., ded (=) (ceand=6) Deal, saverea (4) e reduis dantes. (a)+1)+(c)+d)=(ax+1)+(ex+d)= 2 ax+1 + cx+d = 3 ps. + 2 atox+brd = 2 (a) + 5+ = = = (a) + 5+d = (a) + (1)+d) (a)+1)(c)+d) = ax+b: cx+d= 0+P+0=1/2 (ax+1)(cx+d) = = acx2+(Lc+ad)x+ld= = ac(x3+1)-ac+(ad+le)x+1d = 2 ac Compt (ad+so)x+sd-ac = (ad+1c) x+ 1d-ac = 0+P+C=1 2 (ad+sc) 2+(bd-ac) ca urmany A= {a2+b: a, ben2, 2=x3 cu operatite

(a)+b)+(c)+d)=(a+e)2+(b+d) (7) 1 (a2+b)(c2+d) = (ad+bc) 2+(bd-ac) Qsr. 2= x2 = x21-1=x21-1=-1 Ca arriedes meleel A ette, Le fapt, corpul numeraler complère. [TD] Descriet melal factor (x3-2) 3+ 243+283+ 6428+642 +6X2+6X8