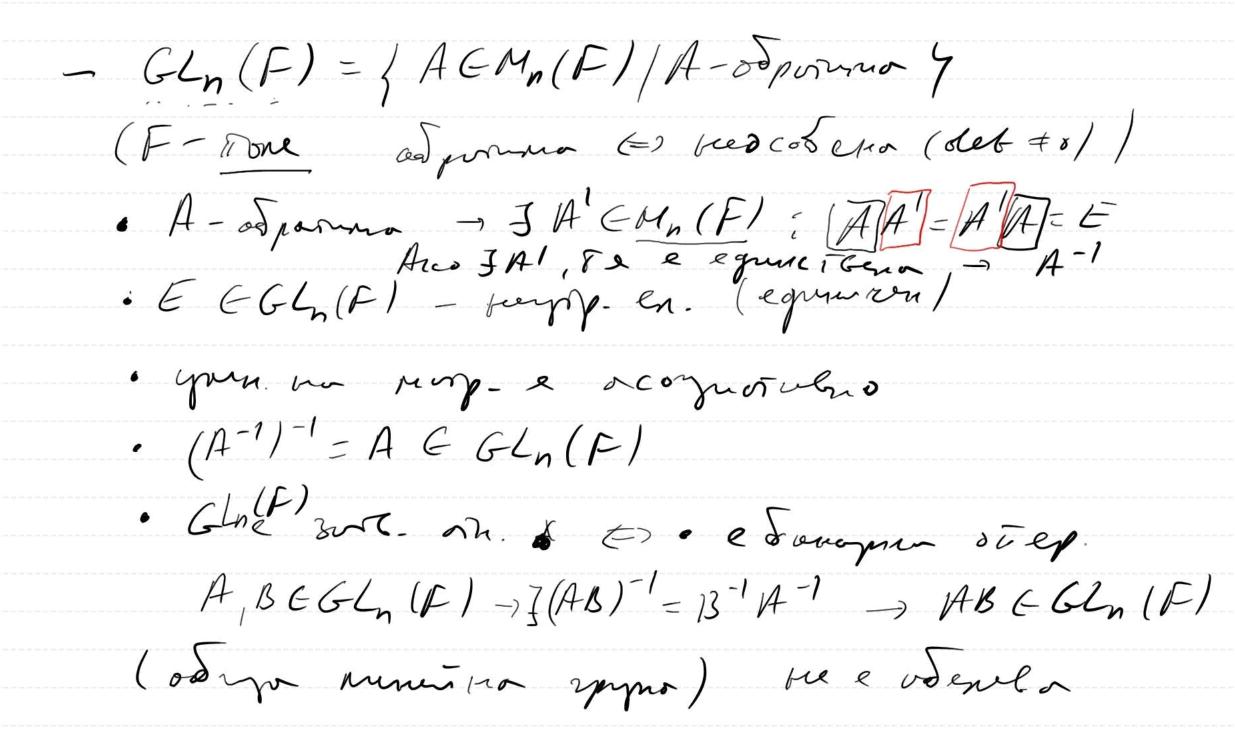
Dop. Kaslane, re mometibéso G e Sunapour otrepagne * e yyou , ones : 1) * e ocognatulara - Ha, b, c E G (0 + b) + C = 0 + (6 x c) 2) * una verpponer enement (egunaren, 19 queb) -BeEG: HOEG OXE=OXO=A 3) Brenn en. 6 G e odparum -Ya E G 3 a 'E G : A * o '= o ' * A = e AKO & e 1000 ystri ulnu (Ha, b E Ga y b = b x a) Kosland, le yppnora e obserba (1000 ystriubra)

300. 1) Heypponner en e agun colon e', e"- horp. e' & e = \ e', 2) odpormer en. e egunes ben $\alpha \rightarrow \alpha', \alpha''$ comy objoin $\alpha' + \alpha'' = \{\alpha''\}$ The - the expression of the species - U, Q, R, 4; + e yynor (asen.)



(FEXXY={(x,y)|xex,yey} $3\omega \delta$. $f: X \to Y$ $f: X \to Y = f(x)$ F = {(x, f(x)) | x ∈ X } perom (x, 4), (x, 4) => 4= 42 -> pyrager/ f-unachlena: f(x,)=f(x) =) x, = x2 t-appendum: HyEY JxEX f(x)=y f-Suevirlen, once a cenera- a cropert. agenties 110 X $id_{X}: X \to X$ $\times \longrightarrow X$

f: X - Y , g: Y -> Z -> g.f: X -> Z (com aroning)

Gray" X (-> g(f(X)) (aporologene)

• $f: \chi \rightarrow \gamma = f \cdot id_{\chi} = id_{\gamma} \circ f = f$ · f: X - Y - opportune, anco Fg: Y - X : | fog=idx · f-Svereyer & S- of position . f-odjurum, g e equicitem, Senemme > c f-1 11. 2- MROW. 5 (sc) = \$f: sc- sc/f-Swereyne > Upryma (be e oden.) · sur on, o ((fy) = g o f -1) appear be Se · ide - ey-cn. · f-165(11 - asporter to t

21 Ha, b, c GR (ab/c=a(bc) (ocognos blances) 3/ Has, CER guespudyoulen act 0-(b+c) = (ac) (0+6/C= (0C)+ 16C) Oil. R-apter 1) R- worn y viuben ij & con, onco Vv, b ER ab= bor (com your obrioc an.) 2/ R- aprilence equaliza JR-4 pchence equality (Conget bylone har Jeek: Hack ea = a e = a (equality green en ent)

3/a ER e objection, one Ja': a a'= o'o = e (R préser que e Doisen c équinque) 305. Arcs d' 7, 70 o'lle equincillens, Jeneraum or 4/0 ER e genvien ou regnon, ou FLER; ab = 0 (ba = 0)

(m) (year)

(m) we up given by more give parmins! 5) R-odnoer no yeroct, on Re Kongrairlen officience equango des generem no begnon 6/R-Tono, ou Reapperer cegusiagn, Ckini re Hurrynel en e objoin

F/Re vone, ou Re Kongrandro sens Te. R-M-c1, a ER-odyviam = od he e gemien D-G Herr a e gennier 400 =1 JbER. Ob=0 000-10=0-1(0-6)=(0-10-16=e6=6=6=6=011 300. R-Tero um orne = 1 R bon- gentern no 0 305. R-Tope & R-1comptotuben types en c 1, B Kento Huguel e objoinm. Sur Bares avre e od rocer TE R- mp. c 1, or ER = 10.0=0.0=0 DB U=1.0= (1+0) v=1.0+0.0= v+0.0 = 0 =0

Te. R- M. c 1; R*= ga C-R | Fb C-R | ab = ba = eq (Muon. os osponimie en.) Tordo (R*, .) e ypyno $D-B_0$ - 305 Copenors $a_1, a_2 \in \mathbb{R}^{N}$ $\exists b_1, b_2 \in \mathbb{R}$: $|a_1b_1=b_1a_1=0$ $(a_1a_2)(b_2b_1) = (b_2b_1)(a_1a_2) = 0 \rightarrow a_1a_2 \in \mathbb{R}^{N}$ $(b_1b_2) \in \mathbb{R}^{N}$ - ocup. Locoy. ho. BR - eg-en- & eg-en- GR - læren en e odporum & bygolnert. polemet bors u b E R* (polement or o)

- b e equisterio; b=o-1 -osporen ha o Gn. /300. - (a-1) = 0; (ab) = b'a-1 - Mn(F) - ipraine I (he e komyrosolan) $(M_n(F))^* = GL_n(F)$ TIP. - 2 - 6 Siver - R, R, C- orser - Teno - Teno 100 llos eptenditure - larcoro - pores: Bara egori po seno e mon - 50,59 +10,5 ola a - orone c 2

ola a b enement

TIp- NU 3 60 nopongone (or muna. X -> < X>) - N. K. - 10 - mognocopolica Co Holishow and and and and and one - cyma in D - munein soop. generos aprisos. XOMOMOJOUSMIN Jus/Jus gEGny. $g^{n} = \begin{cases} g \cdot g \cdot - g & n \in \mathbb{N} \\ \frac{g^{-1} - g}{n} & n < 0 \end{cases}$ 1 4 6 9+9+--+9 ng (-9/+(-9)+-+(-9/(Oblevenne) 0 N = 0 Morre que ce gore, re (gm) = gmn; gm, gh = ym+n in (ng)=(mn)y; mg+ng=(m+n)g

Tels. U, V - ATT way F $W' := U \times V' ; (u, v,) + (u_2, v_2) = (u, +u_2, v, +v_2)$ Atting F $\lambda (u, v) = (\lambda u, \lambda v)$ U= Uxhory, V= longxV, U=U W=UDV; U, U - vogorports. har W Dog Tog X e TrogMhorresto ou mon. & Guy X, Kver unomectoro (romenos); Tumen L TC. 1/G-4. HCG (=> HCG u | White CH hite C-H E) HEGU WHILL CH hing CH LO 1 G-H HACH h-1CH

En HEG u think EH hib EH (hibiTEH) 305. 1 +; h, h, -> (-h,)+h, (h,+(-h,)-h,-h2) 305. + - ogstolett nucer alm - od yer cayeor 2) R- Mrsen; K < R (angingrosen/ E) K < R u YKIKICK KI-KZ, KIKZEK 3) R-170ne (Tens); KZR E) KER u K,-K, K, K, K-16-K tto pour gour -G-40; geG <g2= \quan \quan \ne 27

- G-W. abc-G (ab) = faistraichte_ainbtn [ikifkc=k] ((aibb1 ainbtn)-1 = b-tn a-in_ b-tna-in) gyner Bezux cossogner faat, b, 6-17; .-10014005e-325-V-NTIXEV e / MK 40 Benny n of X = NU e / Myngryng -> > XCU < V Dig. A e or This & n X CA, Mune colons Mopogeno or X e 2X> = AB (Be or Thin L)

X = B < A - e or Thin L comp