/ Peg Ha energy u yukuckan (G, 0) 1pyua 0) taile6 5 a.666 1) (a B) C = a (be) | fa, 6, c KE IN a. e= e. a= a a = a.a....a B) raco, 76: ab = ba = c (6,0) HCG 0(4)=0 H, 0) K(X)+S(X)=(K+S)(X) HCGE> { alett, 4 al ak.as=ak+s S(K(X))=(SX)(X) (ax)3= ax.5 aret, 4 KEZ yuxnucus meenyna. < a> = { a x | K ∈ Z 4

Genjuraucus, Koraro JafG! G= (a) G={ak| KEZ/7 DWELL afG XI=t merano te [a]=r=ord(or) moraro Te min ecteerbetto ruch min-ect. cuero 30 301 NOCTO at= e $t(x) = 0 = x + \frac{1}{x}$ Ano Taxoles He exceptibles => 0(a)= |a|= # 16/1 (G, .) a & G I Hena (G, ·), a=G! Torola |as = K HOD(S,K)=d D-60 Herra las=t 1) a5=e (=> 16 | S (as)= ast=e => K | st 2) a = atc=> s=t (mad x) => KID (SID => KI | SID => KI | T (as) K1 = 0 5,00 R1 = 0 5,1 E = > t | K1 => K1=t

(a> = K as=at => s=t (med x) 5= {S+xe| KEZY <a>={a}={a}|peZf={a,a,...,a}|4 aPzat => K/(p-t) DCPFtCK Donyone ul Cl => ENevertine $\langle a \rangle = \{ a^0, a^1, \dots, a^{\kappa-1} \}$ 1(a> 1= K

e yukulta. Ha s e min ecrechero re Herea a9 & # (upous bonett) 30 aseH => Lass CH d=59,+8 Z = 0 g - min $ad = (a^s) \% e \langle a^s \rangle$

4 G

a=> a=a a = sett

 \Rightarrow $H = \langle a^s \rangle$