d=(0,6) (d) = (0) + (b) Ju, vi d= ua + Vb Gn. (AG) (da, 16) - d (a, 6) D'es Lors "grenossom" AE zu og ub ed, avryroborn AE 30 do uds Gr. ( a b 1 (a, b) = 1  $\frac{\pi}{2\pi b}$ . (a,b) = 1 - bounds of  $\frac{\pi}{2a,b}$ .  $\frac{\pi}{2ab}$ . (a,b) = 1 - bounds of  $\frac{\pi}{2a,b}$ .  $\frac{\pi}{2ab}$ . (a,b)  $\frac{\pi}{2ab}$ . (a,b)  $\frac{\pi}{2a,b}$ . = (a,b)  $\frac{\pi}{2a,b}$ . Ca. 0/6c, (a, 5)=1 => 0/c D-Go Ju,v: 401=1=) UOC+Vbc=c=) 0/c

General Signature 
$$(a,b)$$
 /  $(a,b)$  /  $(a,b)$ 

2-- Co a/m => m = 0K b/ak => (a,6) (K => K = 5 t => m = 25 t Te a/c, b/c, (a,51=1=) ab/c D-e [0,5]/C (1 <u>rb</u> - o b Dap. 1/ p- 170000, onco or plat =1 pla um p/6

(=)  $(ab) \subseteq (p) = )$   $(a) \subseteq (p)$  um  $(b) \subseteq (p)$ (=)  $ab \in (p) = )$   $a \in (p)$  um  $b \in (p)$ ( Toronbr ageom a proper of poem ) (=)  $(a)(b) \subseteq p = (a) \subseteq (p)$  um  $(b) \subseteq (p)$ 

2/ p-rejosnorum, orco d/p => d= ±1, tp (d=E, Ep; EEZX4 (70 c(d) =) (d) = / un (d) = (p)

(Toronder region ce region rescension) Bod To horosek my gose, ze t nox ngron en mjørt. De postento Te. p- types (=>) p-representation

D-lo (=>) Keen pe pomoroum => Ju, b: p=vb | 1<161<1p1

=> plob, no px u u px b (0=d, b=f, d +t1, tp) (=) funco plab; (p,v)/p => (p,0)=1,p - (p,0)=p=>p/0 - (p,0)=1=1 p16 (p/06)

3... 1/ p-worn to 
$$(p, \sigma) = 1, p = 1$$
  $(p, \sigma) = 1$   
2)  $p/q$ ;  $p-q \cdot mp = 1$   $p = q$   $(p > 0, q > 0)$   
3)  $\pm 1$  he a port  $((\pm 1) = \mathcal{C})$   
Denotrio regime has aprinterment his genia encire  
 $\forall n > 1$   $\exists p_1 - p_k - 10 \text{ ord} = p_1 > 0$ ;  $n = p_1 - p_k$   
Trugger Cours e equilare a trans  $= p_1 - p_k$   
 $\exists n = p_1 - p_k = 1$   $= p_1 - p_1 = 1$   $= p_1 -$ 

4) 
$$a = \rho_{1}^{4} - l_{K}^{4}$$
,  $k \ge 0$ 
 $b = l_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
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 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^{6}$ ,  $k \ge 0$ 
 $\Rightarrow (a,b) = \rho_{1}^{6} - l_{K}^$ 

Delo (J) lyero gore a mos ungegrand no 1 -n=2-0K- flerer e logue V K CN - dor 30 3 2 N-17 pocro = n=n 2 11-constro 21 h= 0-6, 1 (a, 6 < N 07 wing. got. = > 5/1-Pa: 0= /1- Pic Pinti -391--95: b=91-95 spor h -1 n= P1-Pk 4-- 2s (Egune Cenoti) n=p1-Pa=91-23 (Vi 19i-apo an) Pula-4, 2) Si: Pulqi 27 Px=9i, 560 i=5

( poporomo ao ungypapor sok) P1-1K-1=4--25-1 ~ 7.4-Cpol nem Dog.  $o \equiv b \pmod{n} \left( \underline{b} \text{ a e cyolarumo } \underline{c}'' \underline{b} \text{ a lo orapya"h} \right)$ orco n/a-b enco n/a-6 CB-Cm: (ne place) (Cogo ramen como o = 6 um) 026(n) 1) @ 30 1) a 3 a 2/ a 3 b = 21 b = a 4 = " e PE 3/ a=b, b=c =) a=c

10) 0+6 EC =1 0 = C-6

M) 
$$f \in \mathcal{U}[X]$$
,  $\alpha = b = 0$   $f(\alpha) = f(b)$ 

The  $K \alpha = Kb$   $(n) = 1$   $\alpha = b$   $\left(\frac{n}{(k,n)}\right)$ 

Les  $n \mid K(\alpha-b) = 0$   $\frac{n}{(k,n)} \mid \alpha-b$ 
 $\frac{n}{2} = \frac{n}{2} = \frac{n}{$ 

· 
$$Z = U[\sigma] = U[r]$$
.

acz r=0 knocolere co posn.

Te. a = a' y = b' = b' = a + b = a' + b' y = a + b = a' + b' f = a' f

T6 (4, +, 0) - 1com. Mrsen c 1 D-C 0/ t, à - regerer get.  $1/(\bar{c}+\bar{b})+\bar{c}=\bar{a}+\bar{b}+\bar{c}=(\bar{a}+\bar{b})+\bar{c}$   $=(\bar{a}+\bar{b})+\bar{c}=\bar{a}+(\bar{b}+\bar{c})$   $=(\bar{a}+\bar{b})+\bar{c}=\bar{a}+(\bar{b}+\bar{c})$   $=(\bar{a}+\bar{b})+\bar{c}=\bar{a}+(\bar{b}+\bar{c})$   $=(\bar{a}+\bar{b})+\bar{c}=\bar{a}+(\bar{b}+\bar{c})$ (ocomotalnosor 6 Un ce "hacnegolo" or ocomoidonoson u T, H. " 0 - byel; - a = (a); 1 - equinces Thousand n=6  $\overline{23}=\overline{8}$ Tl. 1) & e gemen no 0 (0, n) # 1 21 à e oбposion (0, n/=1

R-M, ; IAR - ugen, orco! (glysoforum)

- Hi,i,e E I = i,-i,e E ((I,+) \( (I,+) \)

- HiEI, HrER = ir, riEI

R-com. M. = 1 (al= for | reR f AR

encles