(6,6)=1. -> a v b co b 30 compa apour (01(b) = (0b) -; 0/6 (5)(b) = (0-) 2) p- repassion uno, aco p-06, 70 |p1=|d um |p1=|6| (2) ans off, To lot = 1 um lot = 1 (2) on o/p, to a=Ep un o=E 3 a E (= {+1} (p) = proserver region/ 305. Ly got, re / mox vogeon a aport

Te. y-19por & p-region.

(2) 2051. April 1.2 p & yarnown (coerline mens)

=> Job: | p= o-b > o/p-b/p

| 101 + 1,1pl => o.b / sb u p Xa u p Xb

| 161 + 1,1pl => o.b / sb u p Xa u p Xb

| 161 + 1,1pl => o.b / sb u p Xa u p Xb (=) Dos. oper., r.e. p-re e oper => 36.5. plas, ropto d=(p,a)/p (p,a)=1,p 1/3 (1,a)=1 plas p16 71 3 --- an/an-1/-- /az/a -- Doyces i Goen - vouvre plened 6 (a) (a) c(a) c -- c(a) c (6) = U(0i) a 2 5-5i: ~ E(az) -> |0-1=(0i) - (a/= |a;+1/= -

Vacaborer ber skøpper a ka spir-met vicor por genit en con Tpegeslenes a spesseles a torner popular D-C (3) voy, 50 M n=1,3 - ole. brem a Cym HICKCM My gre. su n - h-garo - n 4=n - 11-cesses - 3 J/n: 1 < d < n - 1 < 4 < 4 =) 05 my-gon. 8-p1-ps; n-4-26 27 n= P1-B-11-26

(eguncolernos) Kence A=p1-pk=1-95 (pi, 2i - apeur; 50) Pk/9=9-95= Fi; pk/9i ; 8.0.0 i=5,5-e.pk/95 (PK196) - PK71 -> 12-95 Pe-1k-1=9--95-1 ur. 16-5 u cneg apensoneyour Prizi $\frac{ds}{ds}$ on EU $n = \frac{t}{p_1} - p_K$; $\frac{t}{p_2} = EV_i$, $E \in \mathbb{Z}^k$ · n=Ep-Pk, E=I1 · n = 11 - 1 k - konomen mil · d/n - 1 = 2 p, p - - ppc - + i p = - di Spres um (>0/ e (di+1) (di+1) - (de+1)

0 a = ph - - 1 tk 420 b = Pp1 - - PK P= 20 (a, b) = 1/1 -- 1/4 8: = non h Li, /27 [v.] = pol - pur 5 = mx { Li pi} X- mnonce to R < X2= X × X = {(x,y) | x,y ∈ X } - permove (none R C X x Y - or. f. X -> Y Rf = {(x, f(x)) | x ∈ X } (xx fy: (x,y) ER; (x,y),(x,2) ER; => y=2) Cl- en (commer) . Re peprescului, our VXEX (X,Y/ER Re mongrum jones or (x,y/ER => (y, X)ER Re portrollum, ones or (x,y),(y, 2/ER => (x,2/ER

Arco K a peter, curry. ~ poursos. a aspera penagne nu exchilonerimer (PE); (a, 5) ER - a x 6 5p 1) = ePE 2) = - peps. u Thousaller; he e anneg. 3) AB ~ CD (=> AB=CD, AB/1CD, exprospocoren -A=C, b=DC[x]={y|x~yy Hx EX Knoc for each la remova

$$\frac{fe}{21} \times = U \times 3$$

$$\frac{f}{21} \times 3 = Ey3 \quad \text{an } Ex3 \cap Ey3 = \beta$$

$$\frac{g}{2} + \left(\frac{q}{1}\right) = \left(\frac{q}{1}\right)^{2} = \left(\frac{q}{1}\right$$

D-Co 1/ XECX] (pedn.) - X=V[X] 2) Kom [X] (TY) = D > SEE[X] (CY) =) X~2, y~2 2 ~y ~ x~y (7)

 $EE[X] = 1 \times -E, y = X = 1 y - E = 7 EE[y] = 1[X] \subseteq [y]$ $E[Y] = 1 y - E, x - y = 1 \times -E = 7 EE[X] = 1[y] \subseteq [X]$ =1 [x]=[7] 305 [x]=[y] => x~ y Jud X ce gjegerle (cero odegurene por kettpearoup ce knochte par entrelaperrole (par Keendaloneri var en. - møgerobriena har knockert)

305. X = UX; , sa i * j X; NX; = \$\frac{1}{2} - possulone har X

iet i / sa i * j X; NX; = \$\frac{1}{2} - possulone har X · Hyvsalow grøamm PE - ans = JieI; a, b eXi

" a EXi = I [o] = Xi Golven Dog. a = b (mod n) (a e gobrema o c" b " wo mayon"), arco n/a-6 Cl-Cv 1) $\delta \equiv \sigma \pmod{n}$ $\int_{0}^{\infty} = e^{i\theta} e^{i\theta} E^{i\theta}$ 2) $\delta \equiv b \pmod{n}$ 3) $\delta \equiv c \pmod{n}$ $\delta = c \pmod{n}$ 31 0=6, b=c=1 0=C

5)
$$\alpha = \frac{b+n}{b}$$
, $\alpha = nq + r_1$, $b = nq_L + r_2$, $\delta \leq r_1, r_2 \leq n$
 $\delta = b + (n) = r_1 = r_2$

Su 1/3 e 1/E 2) [0] = { b | a = 6 (mod n); [0] = [5] (mod n) - a=qn+r - ToJ=[r],a=r Z= U[-] = U[r] -[r,]=[r],0 \(\int_1,\int_2 \con =) \(\int_1 = \int_2 \) Op. Zn= 5(0) | a E Z/ = 5[r] | r=0,1, n-14 (12/=n) [a] + [6] := [a+6] LoJ. [6] := [0-5] TE. Ko = kb (md n) =) a = b (mod (k,n)) D-Co n/ka-kb=k(o-b) => m/(k,n) /a-b)

Sas. Drepo equire 6 Ka co coperano je famparm: Aus [0]=[0']=[6']=[6'], 8-e. a=0,6=6', 10 a+6 = 0 +6 u ab = 0 6 =) [0+6] = [0+6] = [0+6] = [06] = [06] TC- (Zn 1 + 1 ·) korr. Ap. c I D-C 0) step. co koperino gr 6. 1/(LGJ+LGJ)+LGJ=LO+GJ+(CJ=L(O+G)+CJ) LOJ+(LGJ+LGJ)=LOJ+LG+CJ=LO+(G+C)(acognor claractor & V "Ce apero co" & Un) u T. H., [0] - rywel en ; [1] - eg. en.; -[0]=[-0]

16. 1/ [0] e genien ha 0 (2) (n,0) #1 (365 [0][6]=[05]=0=10/06 (nxo,n76); 1=(n,0); [a]=[a][a]; [a][a]=[o] 2/ [0] e objooning es (n, a)=1 ((=) / 3[6] 1 [0][6] =1 = 06=1=1=) JK: 06=1+KN => (n,0//1 => (n,0/=1 () bery: Ju, v: nu+ av = 1 =) av = 1 => Costus=Us => [03-1=[V]/ but. Hauntoj e genien val, um loj e objaron