Mputtepu: 0) Hexa R=Ø. Toraba Re relaying Hag BLAKO MH-bo A (Banjoto & EAXA). · pedrexcubroti; Avo A=Ø, To Va(a+A)(u,a)+A) Запусто за всеко а, предпоставката аЕА (т.е. atol e Noma, orvoyero yerara unnuerona e uciuna; Cregobarenno, de redreicubha Hag 0; Heva Cera A + Ø. Heva x & A e Chugerer 3a Toba. Toraba XEA, HO (X,X) & R=Ø. Taka Ex (xEA & (x,x) ER). Cregologenho of He e pedrekubna nag A + o. (8,11) · CUMETPUTATION: YaYb ((a,b) E\$ >) (b,a) E\$) e agnosthette, zaujote 3a Bc. a u 6, npegnoct. (a, b) ∈ Ø e Noma. Crey., De Cumetrurena. antulumernumenoli: Ya Yb ((a, b) Ep & (b, a) Ep => a= B) e 6 ma, zangoto 3a bc. au 6 Megnocrabiata E. Noma. Cheg., de autucumerpira. · Transminotion: Ya 46 4c ((a,6) + \$ \$ (6,6) + \$ =) ⇒ (a, c) € ¢ ) Ornobo e uprochetto, saujoto apegnocia bista e Nolma. Taka de Transmitubria pelavous. 1) A = IN R = INXIN. TOTAba Re Hag t, Zamoto R SINXIN. Toba, Te Re P.E. Hag

A ce rpolepala apes chequite:

0

· pefiercubnoct mag A:
$a \in A$
a EIN ON (1) (1) ON (1) (1) ON
Ca, a) EIUXIN ( Ca) (SIF) & CO (CO)
Cueg., Repedi. hay A
. Cullerpurchocs:
$(a,b) \in \mathbb{R}$
(Ca, B) E INXIN
Caible INXIN
$(k, a) \in \mathbb{N} \times \mathbb{N}$
CB, al ER
Cleg., Re Culterpurcha 11011-11412/4/11/19
· Tranzurubrioci:
(a, B) ER & (B, C) ER (1) (1)
Ca, B) E INX IN & CB, C) E INX IN
$\alpha, \beta, c \in \mathbb{N}$
(a,c) EIN X IN (1)/9//10//10
$Ca, cl \in R$
OKOHTaTerno, R = WXIN e peraisus Ha
exbubacenthoco may A= IN.
9

0

)

-12-

Ynp.1 Hera A≠Ø. Dokamere, & R=AXA e P.G. Hag A.

21 A= IR1503, Re Relayusta on Regelera Epez a R 6 - a, 6 E A & a.6>0

· pepiercubnoct may A:

a ER fa = 0 a EAF a.a > 0 a Ra ChegobaTelleo, Re pepiekcubna Hag A

· a metpuryout:

a, 6 EA & a6>0

a, 6 EA & ba>0

BRa

Creg., Re culierpursea.

TPanzurubnow:

a Rc

arb 4 BRC a, b \ A \ ab > 0 \ 4 B, (\) A \ b \ (\) > 0

a, b, c \ A \ \ a \ b^2 c > 0 \ \ 4 B \ \ b)

a, c \ A \ \ \ \ a \ c > 0

Taka Re a
Tpanzurubua.
Cheg., Re
P.E. Hay A.

3) A=Z, Re renaignata empegeletta zpez arb = a, b EA & a-b e Termo pedrekulenock Hag A:  $a \in A$ creg. Re peon.  $\alpha \in \mathbb{Z}$ Hag A a-a = 0 1 1 1 2 0 1 1 1 1 1 · h · 10 ( 10 / 1 / 1) 1 3 / a-a e Tetho a EA la-a e Tetho aRa curresportation: ar6 a, B E Z & a-b e Termo a, b=2 & 3k(K=2 & a-b=2·K) a, b = 2 & 3 k ( K = 2 & b-a = 2.(-k)) a, BEZ & FRA B-a e TeTHO 6 Ra Crey.,, Re curresporter.

TPARAMTUGHOET: 1138 1578 612.7 are fabre a, 6, CEZL & a-b e Tetho & b-c e Tetho a, b, c = Z/ & (a-b) + (b-c) e Tethorphon) a, c ∈ 2 8 (a-c) e TeTho de de de la la RC Cneg. Re Transmitubra. OKOHTAFRIMO, Re P.E. Hay A. He e Trygno ga le za Seremu, a gle yern Tucia au 6 ca 6 othometimeto R, Totho Toraba, Korato ca ot eghavla terholt. Ynp.2 Heka K≥2. On pegelame pelacynara RK Hag Z KaTO: a Rx 6 = a, 6 ∈ Z & a + 6, ce getu Ha K. DOK., & 3a BCAKO, K≥2, RK e P.E. Hag Z. Kracobe na exbubanenthoct OTP. Heka A + Ø u R e penayus Ha ekbubanenthoct, Hag A. Heka oiE A.

Krac Ha ekbubalettholt Ha a no R use traputance inhomectboto of Burcku & R-ekbubaletitus Ha a enements Ha A;

-5-

## [a]R= 9818EA & aRB3 = = 9818EA & BRa3

Mocnegnoro pabeticibo e 6 cula, zaujoto Borka P.E. e cumerpurna.

Choûceba: 1) 3a bc. aEA, aE [a]R.

Brachoct, 32 bc. acA, [a]e + Ø.

2) 30 bc. acA, [a]Re PCAI

// Baderemete, le [a] R EA

)

)

3) Bable Rugbe a, b EA e 6 cura, 76:

· aR6 ( CaJR = [6]R

· Jarb ( ) [aJR D[bJR= 6

4) (Chegetbre et 3)). Ba bæren gle a, b EA
e la cura to the egue of glere:

[a]R = [B]R WAN [a]RN[B]R = Ø.

T.e. Bæku gba knaca Ha ekbubanetithoci

( no egua u venja pelanjus) unu vibnagar

HAMBAHO, MAN HAMAT OS MYN ENEMENTY.

Opportuges OTP. Daktop-Momerto Ha ATOR.

Use napurane un-boto of Bruker Kracobe.

Ha ekbubalenthoct 170 R:

A/R = & TaJR / a = A3. Since 3a Senemere, le avo A e Kpaûtro, TO IA/RI≤IAI. Mmuepu: 1) A=N, R=INXIN [0]R = 26/8EIN & 6R03=2618EIN & (B,O)ENXN) = 3 8 1 8 E IN 3 = IN Heka a E A = IN e npousformo. Toraba a E [O]R u a E [a]R. Chey, a E [O]RN [a]R, OTKEGETO [OJR N[a]R + 0. Cregob. [a] R = [o] R = IN. Toraba Baurka Kracole Ha ekb. no R ca pabru u Taka AIR = { [a]R | a ∈ [N] = } [0]R } = \$ [N] 9 17.3. 1A/R/= 1 A + 0 u R = A x A , to A/R= SA3. 2) A=1R/803, Re onregenera 2pez 1/1 aRB = a, BEA 4 aB>0 Toraba: [1] = { B| BEA & 1RE} = = 3 6 1 8 EA 4 1.6 > 0 } = 3 6 1 6 ER \ { 0 } \$ 6 > 0 } = = 981 BER & B>03 = (0,+00) = MH-6080 Ha notokur.

pealth Tuch

Heka a EIR u a>0. Toraba a E [1] R 4 a E [a] R. Creg. [a] RO[4] R + B, OTHEGERO [a] = [1] = [0, +2) [-1]R = 3 8 1 8 E A & E 1) R 6 3 = 1 = 3 6 1 6 E A A -1. 6 > 0 } = = 1616EA(640)= = 3 81 BEIR & B/0 } = (-0,0) Nogodho на по-горе, za вс. a LO, aGR umane, re [a] p = [-1] p = (-0,0) Creg., A/R = & [a]R [a ∈ A] = = 3 [1]R, [-1]R3 = 3 (0, tw), (-0,0)} [A[R]=2 3) A = Z, R e on regenera zpez arb = a, b ∈ Z & a-b e TETHO = 8 618 EZ & 6 e Terno } = {2n | n = 21} Kakro & Mo-Mophus apuller 30 Bisko Terho ugino muio or, [a]= [o]R.

[1]  $R = \{6 \mid 6 \in \mathbb{Z} \mid 6 \mid 6 \mid 13 = 96 \mid 6 \in \mathbb{Z} \mid 6 - 1 \mid e \in \mathbb{Z}_{0}\}$   $= \{6 \mid 6 \in \mathbb{Z} \mid 8 \mid 6 \mid e \mid 14 \in \text{Tetho}\} = \{2n + 1 \mid n \in \mathbb{Z}_{0}\}$   $3n \mid 6 \mid 9 \mid 40 \mid \text{Heretho} \mid \alpha - 49 \mid 40 \mid \text{Tucho}, \quad [\alpha]_{R} = [1]_{R}$ Chegobateino, una cano 2 pazintini kiaca Chegobateino, una cano 2 pazintini kiaca Ha exbubatenthocr  $\pi \mid 0 \mid R : \{2n \mid n \in \mathbb{Z}_{0}\} \mid 4$  $\{2n + 1 \mid n \in \mathbb{Z}_{0}\}.$  Taka:

A/R= \ E0]R, E1]R3= = \ \ \ 2n | n \in \ Z3, \ \ \ 2n +1 | n \in \ Z3}

~ \ A/R/=2.

ynp.4. Dok, ~ 30 K≥2, 30 Relayussa RK OT Ynp.2, |Z/RK|=K.