* Гуренко Виадинир Викторовиче * D Duckpennare mamemainera 1 D/3 no meopur yapob, 8-94. 3 modyne: 1. medpure umoxecuit, 4H. PK, 5H. 2. meopule upapob, 114. PK, 124. 3. necopine Syrebox pyrkyeni, 154. PK, 164. (Lekyua 1) 12.02.2018 uniepanypa: 1. Benoycob, Trazèl : Duespetimene maiemanina, 152. 2. Thomuskob AI: Deckpernone maseinuka 3. Hoburob PA: Dicepetrial materianuna, 132. (one Sanoualpol " me merpol). 4. Kyznegob O. P.: Duckperimen meremaniko ane nuxouepob Б. Харари Ф. : Feopule yapob, 152. mena: Fregue unoxecub. 5000bble nomenme: Muoxecuelo- neonpedence cence, ne myedge oup. Muoke curbo - ne repergen duopodnoeum 21-108, * x e A (npunadrexuocurb) x y y - repenseurite xeA, yeA; no m-ram muaxecensa A, nposer away ne > x u y uputunaæn znorzenne

A = B (pabenciuso unoxecuis)

A Aba umoxecuba pabuer, ecun motoris menens muoxecuba A, symadrexum u muoxecuby B u nao Sopom.

 $A = \{a_1, a_2, a_3\} = \{a_3, a_1, a_2\}$ $a_1 \in A$

O Munique bruvaenne pajentensex mencen rob bruvoxeculo obstruo zabrenis où rapar-pe peznaemoù zadarer, où ruacca zadarer.

Chocober zadanne unoxecul

1. Teperacuenam 31-mob
bozuoxuo, korda kom-bo medoro moe u komernoe

2. Yrazanne oбщего charicuba An-Toko muoxecuba

A= {x: x ∈ R u √x2-1 < 3}

A = { x: P(x)}

хорактериетический предикат

> ucuais zyen dryroe muskecintes, zapanee "Sbeein noe, nanprinop: {X: x = \frac{97}{2} + 2Th, n∈N}

{X: X ∈ Nn X:2} - Tauxo rémisse.

Nonaxonogue on- 701 muxeember nonprimep:

(1. 0! = 1 €F 2. Eeun (n-1)! €F, mo (n-1)!n €F

Yucua Pusonaren.

Oupedenenne:

Almoxeculo, cocinalique uz renermoro eneme An-midb na zbibalencil <u>konermbum</u>; umoxeculo, cocinalizer uz bechonermoro encue An-mob nazbibalinale becko nembru

Amoxecimo ne codepxeensee ne Duoro

O Muoxecubo Braybibalon noderfroxecubour emoxecuba A, ecus kaxabin 21-7 Bilbhilesene 21-mour A. (Baxmoreno B A) BEA BCA-esparoe

Cuedembre:

. Ø < A-modoe, anano meno: Ø ≤A-modoe.

Dukenpobano U- gembepeanonce muokeembo due mono kingera zadaz, mo modoe ACU A- npunadnekus monny meccy zadaz.

A A B Morda y Torebro Tuorda, Kordas A S B u B S A.

Q Eun B⊆A, no B≠A ⇒ BCA

O Mnoxecubo boex nodumoxecubo A najorbonomi Egneanom umo xecubo A n oбозна гают как 2^A.

Chañemba bemorenen (nodemoxecins)

- 1) A \(\int A\), unoxecuso A abrillian codombientem & knioremen.
- 2) Eeur: AEB; BEC, não AEC ripanzumubuocião.
- Our normeduoso predomathemed acnous. Our spanner Din Dinepa-Benne our. Centurop 1.

Dadem enobertuble konnentapull:

1, AVB - objedunemme:

Muoxecubo beex morker X, ruo Xecus 31-7 A mu 31-7 B, To ecus 31-7 Xonneson odnoro uz muoxecurs A n B.

2. ANB- repecerence: Improxeculo beex marker x, ruo X cento Odnosperieuro mont A u mit B.

3. A \ B - pagnocto.

Mnoxectulo beex trakux x, zuro keetus 2A-TA u ne ubrilin eil 21-Tou B

H. A (1) B - Cem. paznocimo XOR

Muoxeeto Beex waxex x, mo Xecino

XN-T A n ne 7n-T B mu x he 7n-T B

h 7n-T B.

5. A - Donomenne muskemba Muskembo beex mes 71-10m moskembe t, kom. ne njunadreson muskemby A

Mongrocero euroxeetus (nenpeportuoe nomenue)

- ero → 1- Tob, osozua revenuel: 1 1
 - · Een metaly emoxecutamus A n B

 gentanobieno bzammus Duo zua moe

 confidentibue, no sum muoxecuba

 codepxenti Duna koboe Kameenibo 31-005.

 Trakue muoxecuba pabno mongunie.
 - · Eun y unoxembra A patromonyhoro cosembe emuoro nodemo xembra men, mo monoxembro A ko ne enoe
- « Due rouereroro unoxecuiba A, ero /A/ < ∞, a bee octransulule unoxecuiba ebneroriere beerore rublem n ux mongnoemb = ∞.

Theopenia

Muoxectibo unevoyue Secroneruore modunoxectiba

bel nodumoxecuse konernoro unoxecusar Konernor

Crumaeur mongrocum: | AUB| = |A|+|B|-|AAB| | AUBUE) = |A|+|B|+|C| - |AAB|-|AAC|-|AAB|+|AABAC|

(5)

 $\begin{aligned} |A_{1} \cup A_{2} \cup A_{3} \cup A_{4}| &= \\ &= |A_{1} + |A_{2}| + |A_{3}| + \dots + |A_{n}| + \\ &+ |A_{1} \cap A_{2}| - |A_{2} \cap A_{3}| - |A_{1} \cap A_{4}| - \dots - |A_{n-1} \cap A_{n}| + \\ &+ |A_{1} \cap A_{2} \cap A_{3}| + \dots + |A_{n-2} \cap A_{m_{1}} \cap A_{n}| - \dots + (-1)^{n-1} |A_{1} \cap A_{n}| \\ &|\emptyset| = 0 \end{aligned}$

Dekapiñobo (npense) nponzbedema umoxecino

Декартовым им премым произведением иможеств пазывают иможество упоредоленных картежей...

(a, b) = (b, a) - negropedorennae nopa.

(a, b) \(\pm \) (b, a) - kapinex, ynopædorennae nopa.

OSoSyennon ynopædorennan napprungsbæriere ynopædorennam kopinex mer npoemo kapinex.

Moxembo beex kopmexen duma ne ma unoxembox A_1 ... A_n nazorbarom dekapntoborx um uplanor upongbedenni A_1 ... A_n : $A_1 * A_2 * * * A_n$: = $d(X_1, X_2, ..., X_n)$: $X_1 \in A_1$, $X_2 \in A_2$, ... $X_n \in A_n$?

A * A * ... * A = An - n-au dekap violane erenens A.

$$|A_1 \times A_2| = |A_1| \cdot |A_2|$$

 $|A_1 \times A_2 \times ... \times A_n| = |A_1| \cdot |A_2| \cdot ... \cdot |A_n|$
 $|A^n| = |A|^n$

Thumber:

$$A \times B = \{(x,y) : x \in A, y \in B\}$$

