1 Onpequeture un memba a onlyangen rag rune 2. Coviembre recomecal 3. Onepaezeu rag euromembally 5. Densprobe House gettle n- The netometors unconcernba 6. Diesiopsio ompowerine 7. Onlyansen ray Europeanun omnocuenunganun 6. Crocodoe zagateua Europun I Teopera O mempulgax Suraphon onviouerum 10. Alphan le bropan rpoekezen Euraphun spitcollettin 11. 1- 42 - Romana Sunaprous surcomercie 12. Repakmepuemuser Subsaptur omproveni 13 Runa Tunaprum Empromenut 19. Onswere 3x bube relimitorne 15. Lagonerne unoncemba 16. Garmon - enroncembo 17. Ochobran meopelia od skoubalernstroman 18. Unitoulereue ropadhu 19. Inopago certice encomembo luxelisto ynoprego certito e estimambo 21. Teochatoryaa yen6 22. Dunbia yenn Bouona Inclusional Duarpaenera ynopagocertivas Hausarbure a traderestour Ichiermor

1. Oppegelenne unomemba à orepayem mag run. Мнопество - это кеупорядоченная совенурным эненентов.  $A = B \iff (\forall x \in A \implies x \in B)$ A = B => (A = B N A = B) A=B <=> ( \vert \x \in A <=> \x \in B ) · 2 Choucaba unomecons. Legreken Ground A = A  $A \subseteq B \Rightarrow B \not\in A$ Annuellempur Her and Mpanyumublocans ASBABEC => ASC O = A - Gerga. Tymoc un- bo Onepayell ted unomembale 2 - junificantive Juse les, 7 x € 52 1/1 2 B = Ex: x 6 A 1 x 6 B 3 tead unomemballe  $2)A \cup B = E \times X \times E A \vee X \times E B$ JAAB = EX (XEAN XXB) V (XEBN X & A)3 YAIB= EX: XEANX&B? 9 A - EX: X & A] · E. Raparmene convectue beknoper Кораклеристейсеский веклюр-это бульвый вектор размерностью 1521, Kangua Koopgusaana Koncoporo omegeraem принаренномь конкреться Элинента ХЕ — инометву, ght Komopia conpouncer I mon beknop. M. 6 sapannepermercecum bennopan  $A = B \Longleftrightarrow \chi_A = \chi_B$ · - M. o rucie rogumemb r-Inquestions eur ba VA-144-60 = 2° nogunomemb, rge r = 1A1 . 5 Denapmobo npouzbegescue  $A \times B = E(a, b): a \in A \land b \in B$ P = A × B - Europewe omroruerare . 7. Onepayer rage Jungtone operowerchance 1) P = { (b, a) 1 ] a, b: (a, b) 6 ) } 2)  $\rho$  o  $\delta$  =  $\mathcal{E}(a,c)$   $\in$   $A \times C / \exists e \in B$ : (a,b)  $\epsilon \rho \wedge (b,c)$   $\epsilon \sigma \mathcal{E}$ 

· 8. Crocobe Zagaerun Suraprum smolowermi 7. Mreomeonbo 2. Manpersa · 9. Meopeus o everywan durupreum omprouequem.  $JA,B,C=\Omega,p=A\times B,6=B\times C$ 1) p = (=> M(p) T 2) P = 5 <=> M(P) = M(5) 1, MCP 16) = M(P) 1 M(O) M(PUO) = M(P) + M(5) S) M(P06) = M(P) - M(6)  $O(M(p)) = (M(p))^{n}$ 7/1/00/=0 B) 4(A×B)=1 2/ M(4,)=E · 10, Kepbarg a Bropag repolklyling Eurapewer omeourerun Pe, p = E a & A | 38 & B: (a, b) & p 3 Prez 9 = 2 BEBIJAEA: (a, b) E9 R Pr, p = A (=> ) 7 - nouse Pr2 p 3 B => p 2-harroe · 12 Miense Surception on rowerun · 1 - rolline Ografianowe & 7 - O'Hammo - Ogrozbraveve " by duline of way take . · iwocksence · Suekrzua

· 13. Lagranmeperemeene Europerben onyroceerce · pegrepulter coul · overlepegale/cubus ento 1 Challe Mparcheo en · Ovemlicelellelpipe coo to · mary unubhocus TI P reparezancebolo (=> p . p 14. Omnouerre 3 kbebolerneroma E + 0 3. E peprescueno, culuenjutto a massimuloso 15. Paysellue riscomemba  $M(a) = \{A_i\}_{i=1,n}, M(a) | -n, 2ge \forall i,j=1,n i \neq j$  $A_{i} \cap A_{j} = \emptyset, \qquad \bigcup_{i=\sqrt{p}} A_{i} = A_{i}$ U Jooo o jagaen paroueseur u traobopom · 16- Paknop - elevneembo - 3mo un - 60 A/E= [E(a) | a E A 3, ye E(a) = A] 17. Ochobstala meopelia of Insubales moro man (11-11-60-3) zagaen wessue u traosossom,  $E(\Pi(E(a))=E, \Pi(E(\Pi(a)))=\Pi$ 18. Ombroweruse ropgign - peplekcubroc, mpares umulscoe a aprincipallemprettoe que les Johnswelle hppagna =7 em-bo ynopago also o. a. - nombre -> me-bo sureuno ynopago allo . 19. Joelsoongan yens J(A, >) - yn un - 60, ce E A Tuorga a > a, > a, > ... - you barowas yens · 26. Musicupes yn Mc-60 - Cu. Boune 121 Morcomo Frelletind - mone guera yo czenli 22. Duarpaulle Jr. 141-ba

7. Konerchorer genegaletlefoldtitur abnowlam zagaémes Mak A = (S, X, Y, S, 7), 2ge S- My-60 cocmositur X - alfraben brog gurgeri (comoun ez brojguyera currarol) Y - arepaliem bornogausem (comoun in bornogausem) 5- gyskyun neperwyob 5: 5 x x > 5 7:5 x x 3 Y - gyfulylig Burogob Aknowski neperogol. Abmorrem passmaen & guespennen brelletur, 1. V s ES & Cs, e) = s, X(s, e) = e 2 VSCS VXEX VPES\* 8(S, PX)=8(8(S, P),X)-grennylHtble Quellerylm A u B grabeume, een y enn ogwarabore X, Y = 1(8(S, P),X)-resonatom co Choleum A=(S<sub>1</sub>, X<sub>1</sub>, X<sub>2</sub>, S<sub>2</sub>, X<sub>1</sub>) a B=(S<sub>2</sub>, X<sub>2</sub>, X<sub>2</sub>, X<sub>2</sub>, X<sub>2</sub>, X<sub>2</sub>) czowygybe= eau Jy, y, k; y: S, >S, y: X, >Xz, 15: X, > Xz, nacesy 7. VSES, HXEX, O CO, (S, X)) = 52 (4 (S), Q(X)) 111. OF Uzaciopplyus comoudmob Omnoweelle Boundapipula sebusanes omnouelles 2Kberbarermoro grun