Dienem unomernéa : X E X nogumonembo: x C y (2) (x + X 2) x + Y) pablainte vino viene mel X = y (x = y, y (x) Dregerenne unamemb: Xny={x | x + X, x + y} Do obegvuenne unomemb! * vy = {x/x = x mm x 6 y3. pagnoeme uno weemb: X XY = { X | X (X) } V = X / X (X)) U

www.empureexare pagnoint whomeemb; X A Y = X & Y = X - Y = (Y \ X) 7. 11

1. A 2 { X E N / 22 -5 x 4 / 4 3 B = { x & Z | = < 3 < 4 9 } A = {0; 1; 2; 3; 4, 5; 6; 73 B= {-1,0;1,23 UB= 2-1, ..., 73 A 1 B 2 { 0,...23 A B 2 { 3,...,23 B A 2 { -13' A D B = {-13 v {3,...,73 A = \x E Z / log 3 1x1 \le 1; 2 > \f 3 2 B= {x EN 1 1x-21 243 A 2 2 -2, -1, 1, 2, 33 B 2 {0,.., 5} AUB= {-2, ... 5} Ans = {1, ... 33 A B = 2 -2 -13 B A = 2 0, 4,53 A B = 2 -2, -1, 4,53 B= [0;6) AUB = E-2;6) AOB = E0;4) A B = E-2;0) B A B = E-2;0) A B = E-2;0) D (5)

4. Dokazami ! a) (A 13) \ (= (A \ c) \ B 5) A BB = (AUB) - (A)B) Municimbo 1 Ø3 20,2033 Kan-60 74. 0 2 2 (way warms unomemba) 至め, 至め了, 至め, 至今3333 Organiallo (noumamb) 0) (A \ B) \ C = (A \ C) \ B € (A \ B) \ C <=> x € A \ 13 u x € (<= > (2) X EA 4 X & B 4 X & C (2) X E A 1 C 4 X & BO E) XE (A(C)\B 5) ABB = (AUB) \ (A 13) EABBZ=>XEBINA)Z=> (2) (x & A u x & B) um (x & B u x & A) (2) 22) (x + A win x + B) 4 (x & A win x & B) (2)
22) (x + A win x + B) 4 (x + A 4 x + B) (2) He XE (A)B) (AUB) u 21 6 (AOB) (AUB) \ (A \B) 6 XEA A > (A \B) <=> (x ∈ A u x ∉ B) =) x ∈ A u (x ∉ A min un (x FA 4 x FB) (=)

Onepayere gonouvenue: (U 1/2 mbejeauoude manuelle). A = U \ A Kormenue! (a) = a (a, b) = {{a}, {a, b}} (a, b) \$ (B, a), eam 6 \$ a = ((a, -.., an-,), an) (a, ..., an) (a, B, C) 2 ((a, B), C) 2 { (a, B), {(a, B), (3) Derapmobo monsbegerine AxB= 2 (a, 6) 1 a ∈ A, B ∈ B3 A, x ... x An = { (a,, ..., an) | a; EAi}