Homework-3a. 132 (13 x x A x x) #1 (2 x x A x x E) = 1 a) $A = \{1\}$, $B = \{\{1\}\}$, $C = \{\{1\}\}$, $\{\{1\}\}\}$ $A \in B$, r.k. $\{1\} = \{1\}$ - true true Be C, T.K. [{13}] = {1} v [{13}] = {{13}} - true A & C T.K. [1] = {1} v [1] = {{1}} - true b) A = {1}, B = {{1}}}, C = {{1}}} A ∈ B, T.K. {13 = {13} - true BERNSER VER B & C. T.K. {{1}}} = {{1}}} - true A ≠ C, ¬.k. {1} ≠ {{1}} 1 x EN (21x) v (ty y 1x -> sin(y) (1) } #3 Dano: Yx (x & S) (=> = y) Torga = S x = {S} => x \(\xi \) \(\sigma \) \(\xi \) [5] ES Oul => S = {S} E S E [S] E. По аксиоме основания.

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#4.
 c) A C B U C
  (xeA => xeB vxeC) (=> (x &A vxeB vxeC) (=>
  (=) (¬(x ∈ A ∧ x ∉ B) v x ∈ C) ((x ∈ A ∧ x ∉ B) =7 x ∈ C)
 (=> A ∩ B ⊆ C 4.T.g.
 b) (A & B n C) (x e A => x e B n x e C) (>)
  (=> (x &A v x &B x x & C) (x &Av x &B) x(x &Av x &C)
  (xeA =7 xeB) 1 (xeA =7 xec) (=7 A sB u Asc
 a) (A \ B) UB = A
 (xEA NX &B VXEB) (XEANX &B VXEB VXEB NXEA) (>)
  (xEA (XEB V XEB) V X EB) (TEA V Y EB) (T)
 (=> A UB = A, (no ycrobus)
         Uno remmes (o pabnocurabnocia ASB, AnB=A, AuB=B)
       B S A 4.7.9.
  ACC u BSD
  (x,y) ∈ A×B - onpegenenue
   ASC (=> (XEA => XEC) (=> (X &A V XEC)
   B CD (=> (y ∈ B => y ∈ D) (y ∉ B v y ∈ D)
x ∈ A × B (=) ((x, y) ∈ A × B) (x ∈ A x y ∈ B) (=)
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