Bartosa Bednarczyk - rozw grupo B

Rad. 6 (Rad 7 or A)

a) Tak. Weiny donoble $A \in P(A)$. Whedy A = A, ruge $A \approx A$.

b) Tal. Neiny sondre A, B EP(A) i rottding, re A & B.

Jesli A=B, to B=A, mec BRA.

N.p.p 3x Al Ex3 = Blaxs, ale Medy

Blix3 = Alix3, wec BRA.

c) Nie. A= Ø, B= f13, C= f1,25 A~B~B~C~~1 (A~C).

Zod. 7 (rad 6 or A)

(a) Nystarczy weigt A:= B:= \$\psi\$ dla i \in N.

(b) Tale. Neiny donolne $X \in \bigcup_{i=0}^{\infty} A_i$. Whedy $\exists i \ X \in A_i$.

Shors A jest spleciona 2 B to X & Bi, mec X & UBi.

Neiny double x E UBi. Wredy J: x EB;.

Ponenai A jest spleciona 2 B, to x ∈ Bi implilinje x ∈ Ai+1.

Nuec XE U A: Loten UA: = UB:

c) Nie. Mystarcey weigt Ao=\$\phi\$, Ai=Bo=Bi=119 olla i=0.
Wheay Ai=\$\phi\$ o- \(\Omega_{\text{Ein}}\) = \(\frac{119}{160}\).

Zad. & (rad & opr A)

a) Nie. Nech A,B,C: \(\frac{17}{317} -> N) +.2. A(1) = B(1) = C(1) = 1.

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b) Tah. Weiny donoline xES. Whedu

 $(A \cup (B \cap C))(x) = A(x) + min(B(x), C(x)) = min(A(x) + B(x), A(x) + C(x)) =$ $= ((A \cup B) \cap (A \cup C))(x) \square$