(M^A) Sliberamum smitlum A

: to state

Edilaramum [stimil X. A > X | X & (A) might (C) A inte stinif satisfian amitlum

Libertamun stre um (A) P (c

P = Po U P1 U B2 U ... = U Pm , sunde Pim(A) = 0 = 0 0 P1 U B2 U ... = U Bm , sunde

2 = 2X | X = 4 2 | X = 2

nt. fiecare m≥0

B = 263 91 = 2 203 10 EAZ

32= { {a, let | a, let A, a + le}

P1 NA φ: A-+ P. Sujectina => P. mumorabila

J(a)={a}

muma

2A3 Sep (Sep) 3 = AxA

(x) autosius (x) - (x) - (x) + $=((\iota R_{\iota} \rho)) +$

faz, daca a=le

Euitsejeur Y {a} = 4 ((a,a)) $\{(\mathcal{L}(\mathcal{L}))\} = \{\mathcal{L}(\mathcal{L}(\mathcal{L}))\}$

(1) = 1 (3)
$$\Psi': \mathcal{P}_{A} \cup \mathcal{P}_{A} \rightarrow A \times A \text{ injective} = 1$$

= $\mathcal{P}_{A} \cup \mathcal{P}_{A} \sim \Psi'(\mathcal{P}_{A} \cup \mathcal{P}_{A}) \subset A \times A$

= $\mathcal{P}_{A} \cup \mathcal{P}_{A} \sim \Psi'(\mathcal{P}_{A} \cup \mathcal{P}_{A}) \subset A \times A$

AXA

AXA

AXA

AXA

AXA

Axinimi

Selidostomum selves

Selves

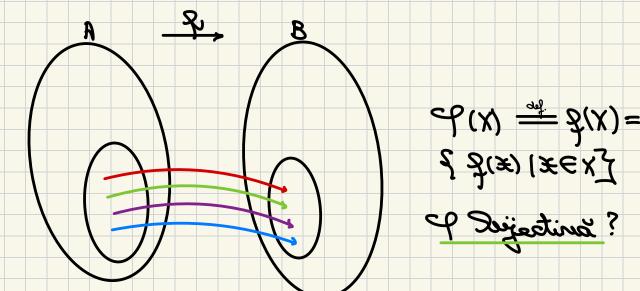
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Ax

Silebramum &

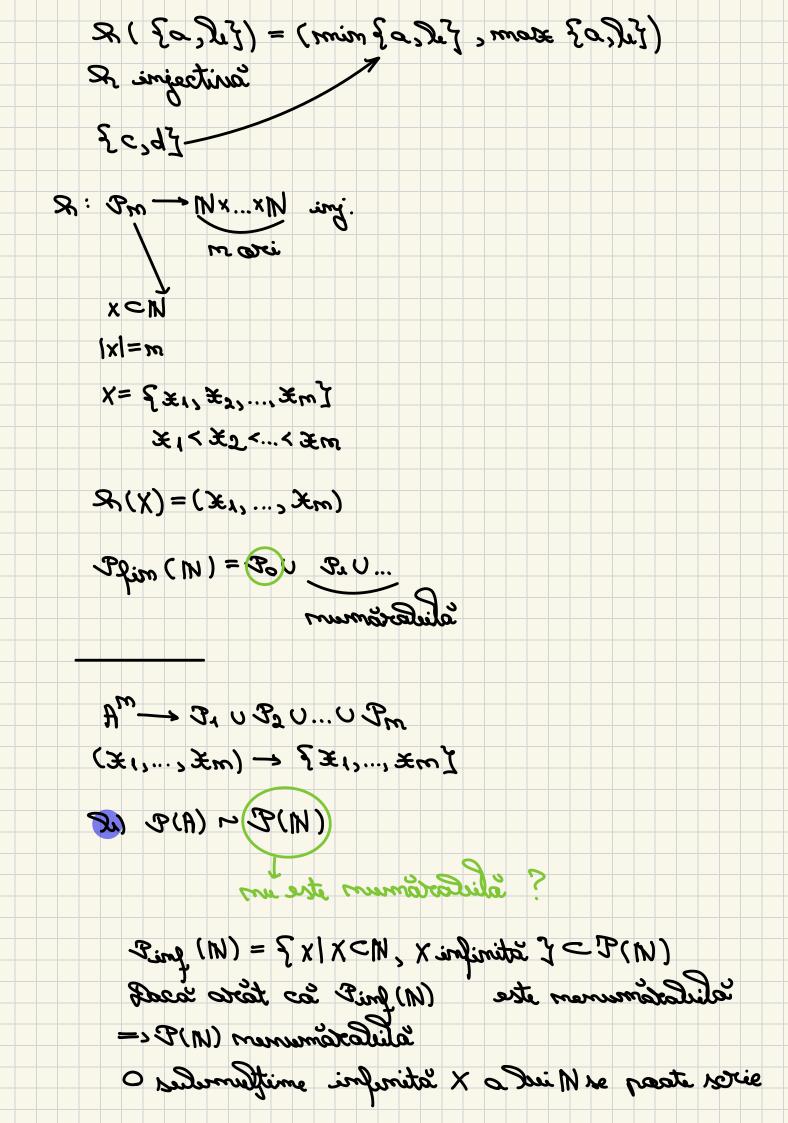
Fie g: A→B Juij. Fr. ca Bim(B) ~ 3 gim (B)?

Befining : PrintB) - SpintB)



Inj. X,Y CA Zinite

$$d(x) = d(x) = 3 d(x) = 3(x) = 3 x = x$$



: some forma x={*1, x2, x3,...} cu x1<x2< x3<... stre (M) friet is bruselle mir, menunuest membradida = 2 Elementele X1, X2, X3, ... X1={ x11, x12, ... } X2= { £11, £22, ... } Xm = { xm2, xm2, ... } Fleg aren, as + zu Fleg 92 EN, 92 + 722 7: 92 > 91 Flor 63 EM 103 = x33 3; 03 > 09 The serious + x will the serious of auti-dw >= { a1, a2, a3, ..., am, ... } Y ∈ Pinf(N) isi Y ≠ Xm (Y) m X= X1 = 2 01 = X11 801 Y = X2 => 02 = 722 22 Mak www = wo (= wx = x Contradictie!

Colibaramen stre un (A) & 1=

2° sitales meno A et

(4) f= (4) f (=) g (4)

aprilaciones de sitales sue que

1) Repersivitate:

ネッち チ <=> オ(ギ) = よ(ギ) (4)

: sistemil (6)

 $\xi(x) = f(4) = 2\xi(x) = 2(x) = 2$

3) Transtituitete

なっちましま そっちょう。 まっちま

A いるま => 3(以)= よ(生) フ => メーもま スーより => よ(ま)= よ(り) ら=> ま(ま)= ま(生)

3. De INXIN definim P:

(a, l) P (c, d) (= b+p (= c-d) 2 (l, p)

aprolanises de sitales 2

$$(a,b) \cdot (a'b) \cdot (a'b) \cdot (a'b) \cdot (a'b)$$

$$(5,2)=?$$

Su) Z × Z */ este son Suijectie cu @

: stativizza (1)

2) Simetrie:

: stativitizmart (E

$$(a,b) \sim (a,d) \approx \sum_{i=1}^{n} (a,b) \sim (a,b)$$

$$(1) = 1 c \beta = de = 1 c = \frac{e}{\beta}$$

$$\frac{2}{8} = ((a_1 a_1)) = \frac{2}{8}$$

timifet tevas ste f as matarts

$$(a_2y_1) = (a_2y_1) = (a_2y_2) \sim (a_2y_3) = a_2 = a_2(y_3)$$

Imjectivitatea:

$$(b_2)=(2,b)=((b_2))$$
 = $((c_2d))$ = $(a_1b_1)=(c_2d)$

$$\frac{a}{a} = \frac{c}{a} = \frac{c}{a} = \frac{c}{a} = \frac{c}{a}$$

Surjectivitatea:

Thursi
$$f((m,m)) = \frac{m}{m} = 2$$

Etrebankse et let ", A . E

A
$$\uparrow$$
 A|\(\tau\) \(\tau\) \(\

$$(a_1 k_1) \sim (c_1 d) \iff c = c \iff c(a_1 k_1) = c(c_1 d)$$