$$R \subseteq A \times A$$

- · 4000 0 4-4 f=AxB
- · 30 FOEA 3 HAG-MANO egro B: ORB
- <u>«</u> ΤυΓ. φ- Я

30 FREA ] TUYNO ZIND B: ORB

308 YTEN geopulupane foilV TIV

м.с.т че д е функция

$$f_0 = \{ (0,0) \}$$

HE E CHTUCHMETPLYMA.

• Силетручня. У

HEKO X,5 - MPONBONHY UX RAPS

· TPANZLITUBHOCT.

He ка х, 5, 7 - Произворны и

(x, 5) E R Пр

(x, 5) E R Пр

(x, 5) E R

(x, 5) E R

(x, 5) E R

(x, 5) E R

(x, 1) E R

(x, 1) E P

(x, 2) E R

(x, 2) E R

(x, 3) E R

(x, 4) E R

(x, 4

=> PAP e P.eub.

g) Ako Re pen. 40ct. H., TO

RUKe pen no ekb.

 $R^{-1} = \{ (14x) \mid (x, 5) \in R \}$ 

Tyk HIMA TPANZLIGHOGT.

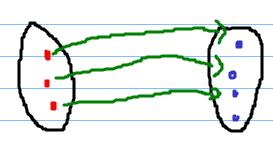
e) Aro Re pen. uoet. nopegoo, TO RAR' e pen. Ho ex8. AND e 69 PND, TU KAKBB = SPOYT En. Ho euß. ? RMR-1 = {(x,x) | x EH} => RAR-1 e per me eub. Spot Knacobe no eus: [Al def: f:A->B e сюреиция 466B]aEA f(a)=6

Thorgenue (\*): Am B ca Mn-Ba

] f: A-7B u f e cropersus => |A|21B1

des: f: A-)Be mHBKyng









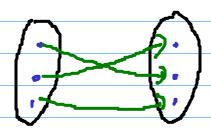
$$f_2(x) = \frac{|x|}{|x|} f_2(4) = f_1(5) = 2$$

$$f_3(x) = |x|$$
  $f_3(-3) = f_3(3)$ 

Terpgenue: (\*\*)! AKO F: A->B u

Je uneuzus, ro: |A| ≤ |B|

def: fe duengus <-> fe cropenjus ^



1A1 = 1B1 (=> =] f: A->13 e fuerque

Bapho The e, ye +: [NXIV] -) IN

e Shekyus?

H(45) - x+5

(2.1)

+: Wx W -> IN

f(3,4) = f(6,1)

$$f(a,b) = [a+b](a+b+1) + b$$

TBBpgenua:

=> 
$$< 6, \alpha' > E f^{-1}$$
  
 $f^{-1}(6) = \alpha'$ 

HO TOLABON:  $<\sigma_1, B>E f$   $<\sigma_2, B>E f$ HO < B, an > E f f h < C b, an > E f f f=>  $f^{-1}$  He yourham  $\phi_1 - g$ 

4

=> f e duekyug

lego-bue:

f: A-) B e dueugus (=>> f-1(f[x]) = x

D-60: 30 gomano