- O. Dea Anima x, y ynoped. neu-ba A magnificanos chapmentener, no ciùn. nopredre ne Sourine (A, ≤) eun x ne doublie y nem y ne Souvere x (x ≤ y men y ≤ x), l'appointablemen cuyrore onn. report maise.
- es cooté, oumous. munei usur nopredecum

3 aurer. Mopredon, Blockember ne un-Be A moseir bours rependen na ero Hengeroe nodem-bo. # T.e. ecun $B \subseteq A$, $B \neq \emptyset$ u (A, \leq) , the na B named mette upperdox undysupolanusin uccoln. Nopedkom na A. Beden nom. nopedox, undysupolanusin uccoln.

nodukto Buggel. yenow (b Teop. papol)

Anobel noder-ilo nopapuo neepalmenter 311- 708 ynop: um-ba A (A,≤) noyorbarot auru-yenoro

- O. Hycino A- guep. un-bo. 71-7 a∈A nozorbanos nonconcurran 71-some mu-ba A, ecun one ∀ X∈A bepno, rono X < a.
 - Q. 71-7. 6 min-8a A makeenmenteurin 3n-T min-8a A, een VXEA Bepuo iro X & B mu (x, b) neeparbunioni. # Anomorero moxuo dato onp. paremente mero a

Jameranne: Elem nanbourour (namement) 2n-7. \overrightarrow{J} , ino on ...

I Typero (A) (A, \leq) where 2 namb. $a_2 u a_2$, ino $2n d + x \in A$: $x \leq a_1$, $x \leq a_2$, $a_3 u a_4$, $a_4 u a_4 = a_4$ (Tochonory modes ofm. nopredkor no oup. odnadaei. anthemmerpurus etono)

O Flyero (A, ≤) u B⊆A, An-T a ∈ A nazorbaror Bepxueir (mux meir) yenrono mu-ba B, ecum ∂ad ∀x∈B: x «a (x>a)

Eun-80 bepxux paner

Sup B

inf B

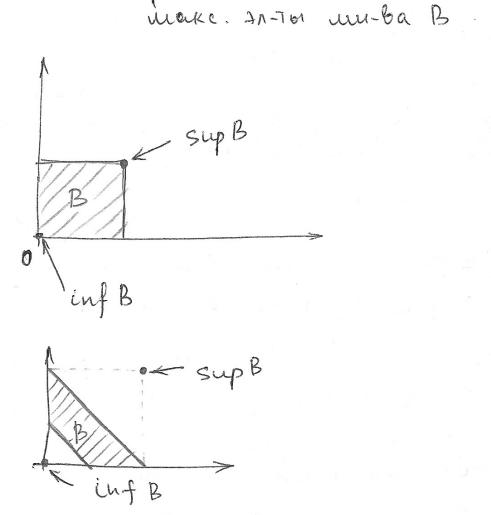
un-80 mexunx paner

- Hamenenbur. 2n-7 beex depx parreir un-ba B mazolo. en Tornoir depxner rparrono un-ba B n oбognar. sup B (supremum)
- ero Mandonbey. 71-5 Ecex mixu. spanier minba B nagrob ero Mornos mixuri pambro minba B n Odoprosi. inf B (in finam)
- # Potch or Hand. (nonen) 71-7a mu-ba B.
 Sup B (inf B) mongt Bre upmagdnerkours
 u gygletbyrør ne bærda.

$(a, b) \leq (c, d)$ e ure $(a \leq e)$ u $(b \leq d)^3$ Torda:

(**esup**)

nammerjay. 71-7. em-8a B (infB)



O Ynop. umbo A nogobarot <u>Encerne</u>-ynopredozemben ecres y ero nemyeroe modern-bo mercet nommemben. 71-7. 1. Theredok ganeennito: <>>>
2. Handonour. (** Hannenbey. (nound) 21-101
3anethoro nansonour. (nokc.)
3. inf & > sup &,

mulo nantopor.

- О Контранция упор. ми-ва меной мощность можно изображанть графически с помощью <u>Фиограниим Хассе</u>. (Telacce)
- O Touredobarene ever $\{x_i\}_{i \in N}$ $\exists n-nob$ ynop, new-barroyerb. negligibaronseri, ecres $\exists n$ beneficie $x_i \in x_{i+1}$ $\{\forall i \in N : x_i \leq x_{i+1}\}$,
- Deprise yande nociedo Bateris hoctu fli fi∈ N, ecun ou usn. Tomos seprise yando hoctu fli fi∈ N, ecun remos (71-108) moneido bateris hoctu ficilio N, ecun remos (71-108) moneido bateris hoctu.
- eleur bonom. 260 yourbun: 1) Our voæpkur nammenongmi 41-7.
 - 2) Barenone neyborbanon, nocued. In Tob Figoro un-ba unest Torneyes bepxnypns spans.

Ha R: [0, 1], Blodeen ectreeists. ruen. repredox

hausell. +n-T

=> 1 - Bepxis. pameiga, moso duo uz zucen 070201

-> индукливное

De Don ynop. undyktrebusik renton Lodgurrenn Tak: (A1,≤) u (A2, ≤)] teroxuo oblejais nouvernem autospaxennen. Boedem orospaxenne ng Az BAZ

(f; A2 > A2). Fro orosparemme nazquaror.

renpepalition euer done modois negotiens. noched.

oбраз éé momos bepxues pans paben romai beparent paner nocuedos obpagos f(ax), f(ax),

f(a3)... f(an).... I.e. enpased moso = f (sup an) = sup f(an)

O. Prospaxeme f us A_1 & A_2 (f: $A_1 \rightarrow A_2$)

ynop. nu-8. A1 u A2 ((A1,≤) M (A2, ≤))

nozorbarot monoronnoun, ean due mostoix

 $x,y \in A_1: x \leq y \Rightarrow f(x) \leq f(y)$

(34

Theopenia

Benevoe nemperoubuse sinsopareme Duois undykninbuses ynopredomnus my-ba b Try roe - monovienno.

 θ An-T. $\alpha \in A$ nagbibaror nanodbuxuar rozkar eresponsenna $f:A \Rightarrow A$ (uz A:b:A), ecun $f(\alpha) = \alpha$.

Cama teopenie

Modoe nenpepubuoe où oδραχευινε f (A;≤)
midynambuoro ynope dorennoro mu-ba A b
cede muelt nomumentaly no nenod buxuyro

☐ Ha camper. uzyrenne (camocoba-Trazebe 10 ctp. 86-87)

(Inc From Treopensor) (nouck names would torker)

Tyers na neu-se A, A= [0,1] ER, E gadan cereust. rucuoson nopredox

pareciero primer konspersione y pabrience (ne anné spour.)

 $\left(\mathcal{X} = \frac{1}{2} \times + \frac{1}{4}\right) \leftarrow \mathbf{f}$

Hawn. In-vou danneis noched less. O(Xo=0)

He notposition, and onped. $f(x_0) = o(f(0) = 0)$

(upodenseure na cued. exp)

$$f'(0) = 0$$

$$f'(0) = \frac{3}{4}$$

$$f'(0) = \frac{3}{8} + \frac{3}{16}$$

$$f''(0) = \frac{3}{16}$$

$$f''(0) = \frac{3}{16}$$

$$f''(0) = \frac{3}{3} + \frac{3}{16}$$

 $f^{n}(0) = \frac{2^{n}-1}{2^{n+2}}$

$$9 \le \frac{1}{4} \le \frac{1}{4} \le \frac{3}{8} \le \frac{7}{16} \le \frac{31}{32} \le \frac{31}{64}$$

$$\lim_{n\to\infty} f^n(0) = \lim_{n\to\infty} \frac{2^n-1}{2^{n+2}} = \left(\frac{1}{2}\right) = n$$

noraruo, ruro ono!, due upobepku f(1)=1

Monnocino unoxecinte (Vonce exporse ble denne)

Moudeine mongroeth mu-ba ochob. Le nome time coorbettimbre, in appunente ette u k konezerement ux bækonezerement.

Monthochie Konerio o mu-80, Kak meno ero 31-708-Vaemoni enyronia o Syero nometrul mosse monghocon