Storme ypanu minecolo Onp. rucho MeR nos lepanen ypanono unomeroba XCR, ecru +XEXLDXXM X_{o} \mathcal{M} Orp: moni-lo XCR haz-ce orpanivaro Bepry, ein 7 M∈1R, M-beprine yours X Te 3 Mel Lo X & M Bancrature: Myn uznerenin vopegu Klan. Carbica logamenue noner uzn-al Hauguriep Jean & spegary-on Borpan-un Uzn. ropagon xb-b, ro nonyz HXEX BAMER : XEM 200 yerobre Bepro, 6 0-2. gra reozo-no Depay in ba you from JSM YxeX 7 M=xeR

Armour- no ap-al nemin-l ypanes ie op. M-lo. Opp: Mn-bo XC/R He opp., ean ons orp. cl u creizy. Onp. minimappierr Frenendon fin-ba XCR may MeR: $\mathcal{A} = \mathcal{A}$ 2) M-numeroe ypans X, V. R. HX EX US MEX (miny M= min X) Aranoz Oyp. max X Barrer Danie ecu X orp. clepty, to Max X monet re cyages blato Kaup X = (0,1) M< MH1 < X

Op: moro MER nosabalter sornon Depinen spiemo D (cyrpenium) mn-ba } numer M= SupX, ecan M sbr-us punimans nou lepx rei ypans ro Mn-ba X 3) M obs-ce Cepeneti spanon X u 2) HM'ER L>(M' Obr-a Bepr. y, X => M < M') Zamerana can Py n P2 - Conversor upon 3ra 17,1 $\mathbb{D}\left(\mathbb{P}_{1} \Rightarrow \mathbb{P}_{2}\right) \Longleftrightarrow \left(\mathbb{T}\mathbb{P}_{2} \Rightarrow \mathbb{T}\mathbb{P}_{2}\right)$

B soon cocroum merog gox-bu of hyporulnow lapxnew years 2X=7 4M! eR extraction <math>extraction (M < M') => 7 (M' ell b g g X)

(=) M(M =) = xeX: x>M'

War, M= Sup X <=> $(2) \forall M' < M \exists x \in X : x > M'$ Onpegenenue tornoù Beparen grando MKM X M Doraken reopeny o Ju eguncoben-vu Cynpenyna 71 Mycro M-b XCR orp cb-xy. Tonya 3! sup X C R cywerbyer eguncherhau Dox-60: Paccrio prin B= { b \in R: b lepx-or yours X3 B # Ø , T.K. X - op. cheprey

txeX tleB 5 x56 (no orp. Bepareir young) ancuora nemperorbnocou JCER: YXEX Y BEB G XSC& B Donamen C = Sup X (c. els-ce vornoù Bepx-u yp. X) HX∈X Los X≤C => C Bepx-2 young X Hberbepxp. XLS CEB => >C - Mun-2 Bepx-2 parcs X => Octavoca govazara eg-16 eg-16 sorn-u Torrers. npegnozonium Cy u Cz - pazn. lepz. ypanu $X = C_1 u C_2$ un-e prenents m-bu B $C_1 \neq C_2 = C_1 \cup C_2$ $C_2 \neq C_3 \cup C_2 \subset C_3$ pazn-e

Pycho C1<C2. Voiya C2 he els-re min-m grenierwon B=> uporulgerie Zamesum: Ecny X re orp cb-xy, vo A MeR M-Bepx. yp. X (no orp) Orp. Ecru X reorp. cb., vo Sup X = +00 Baneranue: Dre robbio re nycroso Mn-ba XCR Fl SupXERV2+00} Ean X op cl , to sup X e R unare dy X = +00

 $M = Sup X \in \mathbb{K} = S$ $\begin{cases} 1) & \forall x \in X \\ 2) & \forall M < M \\ 3 & x \in X \end{cases} \times M < X$

Samoranne:

inf X - Marc rumal Aranourno paris X T2. (Mpunisun Aprunga) HXER BNEW: X<n Don-bo: Apegnosomen uposibree Exe R: H neN (s) X>N => => X - Cepx-2 2p. /N => /N orp. cb-y Promenum TI 3M = SigN & R = > $\begin{array}{ll} = & \\ \text{n.2 cap.} \\ \text{sup.} \\ \text{gra.} \quad M' = M - 1 \\ \text{gra.} \quad M' = M - 1 \\ \text{oup.} \\ M = M - 1 \end{array}$ Soyrurum Nj:=N+1 orp. N=> nj EN n>M= M-1=> i Mi i jM n n+1 => M1 = N+1> M M-Bepx. p. M

Oup: Yucho $y \in \mathbb{R}$ has yenon racon $y \in \mathbb{R}$, rungo $y \in \mathbb{R}$ $y \in \mathbb{R}$ 2) y c (X-1, X] Zameranue

900 goraz-ce c nomonyono TI um T2

txell JI[X]