Teopera Nyels na répersponde X jagans peggenessere cemencolo nongrapou P Johegen enormy orfeanoisen [V(p.n) = 22: p(x) < [n] Ja cuesena objeggé ujegbagy rohonstrum, resofar ujubpayaet X b rokarono brugense ujubpando, uprosu prenjephorn le 2000 ponoron, E ofonnes es restour vorjeque x = (21, x2) Javenenne: novery unemo upssaya? IR2=X, p(x)=1x,1 p2 (x) = |x2| Dongarancho. Januaryson rosen. Myer XEX, X + O, 20 rga p(x) >0 gue namai-no nompropour p, rosque n.p(x)>1 que nonoro-so n, 7.1. x & T(p,n), esons Sub X& cl(103), com Sub lie. 0 = x-V(p,n) · Непреродокого ликейтих векториих операций. Сложени, упрожени на сколяри. Donasser , no que vastoir V-bichochour myne nom zêtre on checknour $\nabla 50$: $V+V\subset V$ $V(p, v) = \langle x, p(x) < \frac{1}{N} \rangle$ Mangérer masop V(pr, nr), k=1.. m, T.2. $V \supset V(p_1, n_1) \cap \dots \cap V(p_m, n_m)$ $V \supset V(p_n, n_n) \cap \dots \cap V(p_m, n_m)$ $V \supset V(p_n, n_n) \cap \dots \cap V(p_m, n_m)$ $V \supset V(p_n, n_n) \cap \dots \cap V(p_m, n_m)$ · yunostens REC, XEX, U-Dispersion, V- oxpersion bruse. Torge $\times \in SV$ gue vernor- ∞ S70, novoxum $t:=\frac{S}{1+|\lambda|S}$, Totga eum ye x+ tV, u / 1+21-1/< = , 10 (1+61) y-1x = 1 (y-x) + 21. y = (1+21) (y-x) +2t.x € e [han] (ty) + ball sv CV+VCV

« neupopublisco nongropu: Kenjupublisco l'igre orelagna; + nongaggiriburo > -> Honfeporbuoir na lieu X.

· myero ECX- expansion 181. que moder oupernour U 3 to: YIXI>to 2V DE. Japuncupyen waynopuy & V(p,1)-outranoch ugne, re- to ·V(p,1) DE= +(x) = Bit Myss la mayropaur offammern. Separappen superinsis HYRR V. TO TI(PK,NE), no KNENTWER LONGTEDPU PK(X) = ME UZ F Bussiper to > max (ne. Mx), busur, is E = to. V.

(IR) - researche language who foresto co exemum curei Nou worrywhe.

S-however Ubeyya =
$$d$$
 f: $|R^n \rightarrow R$, $d \in C^{\infty}(|R^n)$,

Sup

 $|f^{(u)}| \cdot (1+|t|^2)^{3} \leq C_{\infty} + (d_1 \leq 1)^{3}$.

 $d = (d_1, ..., d_n)$
 $f^{(u)} = \frac{1}{(2+1)^d} \cdot ... \cdot (d_n)^{d_n}$

Som $D - C_{\infty} + C_{\infty} \cdot ... \cdot (d_n)^{d_n}$
 $d = (d_1, ..., d_n)$
 $d = (d_1, ..., d_n$

$$f_{(\pi)} = \frac{(9f)_{g_1} \cdots (9f_n)_{g_n}}{9_{|x|}f}$$

$$g_{\pi} = (g_1, \dots, g_n)$$

$$\int d(x,y) = \sum_{k=1}^{\infty} \frac{2^{-k}p_{k}(x-y)}{1+p_{k}(x-y)}$$

Majo npolepuro, 200 mapor B(0, M) odjegyror nonanery o Soyy.

· hapen oteposite.
· bojo neu oupersnoch hyre UD (Pk, Nk) Tenepo nych

 $x \in B_{\frac{1}{N}}$, $x \in B_{\frac{1}$

Sundo enn M gorganino Somunos, no PK(x) < INK 12-c. Pt CT/(px, nx)

Teopena (Sey gonegasereche) Tysto X-7.l. npodparado so criticoù Segoù orepiernocteù lugue. Torge X nespippeno. Npu zvor, eun X-20x. hongwar, ro nespippe nomo broban que, roden mapa denn kornyeur.

Xan-Baner, bournevene legene.

Tespena Myso X suraine lenograve aforteresto, p: X > 12 - nongrepue,

F-uneimme pyrograma na X - agripationale X, y. 4.

|F(x)| < p(x), x < Xo.

Torge us X eur réponséeme F, unemo cycyechyer pyraquonas $G:X\to C$, 1.440 G(x) = F(X), $x\in X_0$ $|G(x)| \subseteq p(x)$, $x\in X$.

Tepena Nyra A, B - kenjeme hongiume ingunorecha X (7. l. up.), A \cap B = \emptyset .

1) Ean A origina, re noisère tansi fynkynemen $F \in X^*$, toner $f \in \mathbb{R}$, toner f

2) Een A-konnanno, B-Jankryro, X-koranono bringicio, 70 hamigirea prynayronon $G \in X^{t}$, $t, t_2 \in \mathbb{R}$, Tarme 200 $\mathbb{R} = G(x) \subset f$, $(t_2 \in \mathbb{R} = G(x))$, $x \in A$.

Samereme. · Doctororno gongero pu X neg R.

Vax (1) => (2). Gyredbyet bunymes orpessors hype V, takas \sim (A+V) \cap B = Ø. Npussens 1 E A+V \cap B cooteresbeno.

F(A+V), F(B) - bringmane bogumosteara IR,

upu soon F(A+V) origino, restur carbo er F(B), my u F(A)-konnerson.

Chegaloue Eam X - a. borngrade r. l. up., to X pageneer Touker & X.

Dougasenochoo! Nyar X = X2. Torge novotur A = 2 x 3

B = dx23,

Munueraen mour (2) respens lonne.

Teopena (banex - Areorry) Alaoglu

Nyrob $\forall f$ - ordinario myre f runnomizedian lanophou of algorithm X,

noroximal $X = \nabla^2 = \lambda FEX^*$; $|F(x)| \leq 1 + x \in \nabla^2$.

Targe K - craso-* Kommarcino.

Dongerenseiso 5-A; respens Kpeins - Munovana, chabat orfann remour 1 sonasses longinou (=) organizaminours.