lexyma ~ 5

Mn-ba uz amedjun: $A_{K} \in A$ amedjun um 6 c equiumen E_{A} $f(x) = \sum_{k=1}^{n} C_{K} 1_{A_{K} \subset E_{A}} (x) \qquad A_{K} \text{ ronogrus ne neplecekanomen}, C_{K} \in R$ $0_{m_{1}} \text{ Ecun } S_{C} \mathcal{P}(E) - \text{ see nogum-ba} \mathcal{E}, mo$ $d_{E}(S) = \Lambda \{ A - \text{aneofy c equiumen} \mathcal{E} \mid A > S_{3} - \text{nonnenouse} \}$ $copeque men arreop c equiumen \mathcal{E}, kom-bre cogenum S kan rocmo ceda.$

Menna: Run gr, aggimmbna (co zuanemismu 6 adarebon nanypypne), no n lez-4(9) nome aggimmbna:

 $p_2\left(\prod_{j=1}^n A_j\right) = p_1\left(p'\left(\prod_{j=1}^n A_j\right)\right) \equiv \{\text{nomain uposapor ne representa}\} \equiv \mathbb{R}$

 $\triangle = g_1(\frac{1}{J^{-1}}(q^{-1}(AJ))) = \underset{J=1}{\overset{L}{=}} g_1(q^{-1}(AJ)) = \underset{J=1}{\overset{L}{=}} g_1(AJ)$

Déamardon (namen repurpobaman) up le 912 mome aggumbno. Sujemo morga a - 6- ornedja.

Oup. Leven $S \subset \mathcal{P}(E)$ $\sigma_E(S) = \Lambda \{ a \text{-areoly c equivaen } E \mid a > S \}$ - nonvenouse opeque mex arreoly c equivaen E, kom-ore cogennous S kax round cela.

Sigeno morge a-6-anedpa; $5 (-\infty, c) \overline{DB} = B BB a$ BB a BB

Sugar β - 6-arredge c equalité α maran, mo: $\beta > 2-\infty$; c = 1/(c + 1) $\beta = 2 + 1/(c + 1)$ $\beta = 2 +$

Schobenca:

1) Suprimo GEB

 $f''(R \setminus G) = \{ + \epsilon E_{\alpha} \mid f(x) \in R \setminus G \} = (E_{\alpha} \setminus f'(G)) \in \alpha \implies R \setminus G \in \overline{B}$ $2) f''(\overline{V}_{G} \cap G_{n}) = \overline{V}_{G} f'(G_{n}) \in \alpha$

 $IB = \{ p \mid : (2)^{\frac{2}{3}} \}$, $\beta = 6$ and $\beta = 6$ cerumuse $\beta \mid R \in B := 0$ $\beta = 0$ $\beta \in A$

So = { (-0, C)). CER3=So SB = ((V Sd) V [1R (6/: 66 V Sa)) 68 + consumba moments S Sos = & V An | (A) & SY U & M A. 1. (An) & S & g omm. q Sepecereure omkpromone uyen - zommyno V (1-7:100) = [1:400] [[-] [-] = [-] () V SB = 10 (1R) gues (konernan manymoems) Bn EUBn = Sup Bn VAn & SuBn+1 N, = L- Kommuyyu Theorems Ex (mangammas monanonu) = { U IJ (by IJ = (d) > PJ), - a - y = BJ 6 + a}. - omnomme been omyromore im-B na mpanoù 4= & - nowmen 4==/R \ {\$3 Blagen onn-e Johnbournmonn u ~uz = [u, iuz] < 4 Frenkauemm. omm. U

Tranga carro mu-lo prazonbaramen na nenepecexonorquere erogum-ba Klingenarangusas kianos ne Saile cremiono muia. => knows 3xbubarenmoenn omkpromm, i.e. cogymam ponymonomonome monen => nen gorpox 13 227522 In Mace I = gr(A) (AGD ompegeneum gr) g-aggmulua > Ig-umennon,! uzwepuwa wigukamojn Sa = Spanie & Therea! At a? whome whenmers IIn (f) (liftle · Hallvar Sac B/Ea, R) f(x) = \(\int \text{CK } 1/4 \text{LX} \) \Rightarrow In (f) = \(\int \text{LX} \text{CK } gr (hk) \) CI- zamorame Domp & (CI/Ig) = CI, 100 (Sa) = { be or parmienne (a, BIR)) - uguepumoon P-ym 1 Treapens. Pun bre In Alwar (a, B(R)) uznepnumm u +x+Ea 3 lim fr(x) = fox(x), no fox(x) mome (a, B/B) uguegunua Ong. B(N) = 5N(EN) -nopomgemme Soppenbern 5- avedy.

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Опр. Сепарабеньное пр-во-ест богут континий
  a & for (1-10, c)) = {x ∈ Eal. lim full cc} =
€ [xe Eal: 3rec, rea ]keN br≥k & Sna) er
  Гуревропиает кванторы в операциини поз иномествани
  Vec-oold No {LEEal: BKEW: VNEW, n>K => fn(x) Ln3 =
 = V V (xEEal: +ne M, n >k => full) = r} =
 = V V A { XEEal: fuW Lr3 ca 10
 propheniennoe une lo uz consegue a
 a-6-anedra ceguniquen Ea
 g: 9 > [0; ~) 5-aggumulua
Oup & way-ca reconjugamento unmerpupyenci no gr (grown) &
 I (fn) uguepuna recompuyamentana ogramment,
manow, mo: 1) +x EEa full 1 fly (n > 0)
          2) sup Intholon
Jym man In(A) det lim I, (th)
 Menuna Rum f.g - uzm. (a, B(R)) => f±g mome uzmepunnon
  (l+8) = + \circ (8) = 1

uguerume 8 anome (a, B(P))
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