N7.22 (Xu) E = EK HE momen byers Spyc poisnepa E/2. Chapyren Merus sousenes eucro torcek ik lim Xk = X, 1 Ville Taga bee un-bs uner mery 56/2+0 gus 48. => M([X, keN])=0. Guefumoor no Nofgany I) Barennel nepa:  $\mu_{\tilde{g}}^{*}(A_{i})=1$  i.k. nu bo pay. benegy morno,  $[0,1]\subset UM_{i}$   $1=|[0,1]|\leq \sum_{i=1}^{N}|M_{i}|$ , phureau 6917 > As C glyroù erglour  $\mu_{\infty}^{\sharp}(A) = 1 - \mu_{(3)}^{\sharp}(A^{e}) = 1 - 1 = 0$ . 1.4 0  $\sharp 1$ ,  $\infty$  wengete no  $\mathcal{M}$ -ug 2) Houghon Co, 13 x Co, 13 (19x8) no aparefune you no Meny. een A-ugm, 10 mf (DA)=0, no DA = Co, (Th), k. b oxprir V rocker eet r. mg merba u rerea we ug merba) (1.e. eet i. ∈Q \*Q v i. ¢Q \*Q)

=> (M= (2A)=1.40. Mariboperile 3) 1 pay, sp. uppay: au-no 6 orp-re V rocke eers rocka bega (m,n),  $rge m, n \in Q$ , r.leupa (m,q), (q,m) rge q, q, uppay, m, m, pay, r.leupa (p,q) rge p,q  $\Rightarrow$  rge rgBozonem Mu. Bo A = [0,1] MQ. 5-V.

M(A)=0

1. K. momen Mysir. Mi=(2-\frac{5}{2i+1},\frac{7}{2i+2})

gre nome. 1. Zi

M(A=\frac{5}{2i+1}) \( \frac{5}{2i+1} \) ( M P ( A ) ~ O. no jano nouve A- 500 bece onfiger Co, is zie l Voup-ru Vrocku eets xoro de 1 paus rocka. M(F)=3/4 FC[0,i]. Zankuyse, coci, y up pay. Porcek. myers trib, bee pay voren é[0,1]

Jannorum boe " " le cepp-ku  $A = [O_1]$   $(M_C, \beta_2)$ M (Vki, Bil) = = (-d /2in) /2+ (-d /2in) = 1-d U(A) = 1 - µ (U(di, Bi)) ≥ x robus & Bon kungis (A-yulp kak paynoets yulf u obbly ymep.). A-he eagepneur pay. votek ik ux boex banynyn, he cogephier Buyth. Torek i.k. een cogephini, to cogephe. un'elphour = cogepheur pay. Toreny. 7.k. A ue cep. buyof => bce yorup => zænkayro. Dar nongreure F Sepen d= 3/4, nongrunoco, 20 p(F)=3/4. [a+1, 1+1] = An Pacen. Rim Ar tim An = (a', b] QQEQ+1 & B+1 B+1 lin An = (a; 6)

T.K. V noghoen: To Cailibin ex-cel le a capaba, to Hnoghoen-To Clairbin ex-cel le B capaba, to V caen Megen = [a; b]. μμ! A, ,... An μ(A)+...+μ(An) > h-1  $W-V_{6}: \mu\left(\mathcal{L}_{1}, A_{k}\right) > 0$  $\mathcal{M}\left(\bigwedge_{k=1}^{n}A_{k}\right)=\mathcal{M}\left(\left[O_{i}\mathcal{I}^{N}\right]\bigvee_{k=1}^{n}A_{k}^{c}\right)=1-\mathcal{M}\left(\bigvee_{k=1}^{n}A_{k}^{c}\right)$  $\mu\left(\bigvee_{k=1}^{\infty}A_{k}^{c}\right)\leq\sum_{k=1}^{\infty}\mu(A_{k}^{c})=\sum_{k=1}^{\infty}J_{-}\mu\left(A_{k}\right)=n-\mu(A_{1})-\mu_{k}(A_{2})=...$  $-\mu(R_n) \neq n-(n-i) < 1.$ 31-1=0 l'Eny-hoch. 76 cynép-nopren-b R E M(En)-cx-co E=Exe Rn: XE Ex gre S. Kon-ba k's - youe funo,

E= ? U Ei 1:1. ecu nouvas-10 torma borferaetas

8. Seen. nen. be fi, 10 ona nemen 6 rampon oboequeenu => 6 ux repectrement Teme. een kakal-70 Terka Bether b rouer. ron-lee fi, 70 branon-10 Uti le ver. Torga Vik:  $\mu(E) \leq \mu(U E_i) \leq \sum_{i \neq k} \mu(E_i) \leq \sum_$  $\Rightarrow \mu(E)=0.$ 

Bozonem resolve neugrephinse my bo (= Ex).  $\mu^{\infty}$   $(E, v E_z) = \mu^{\infty} (E_0, i) = 1.$ μ° (Ε<sub>1</sub>) + μ° (Ε<sub>2</sub>) = μ° (Ε<sub>1</sub>) + 1-μ<sub>6</sub> (Ε<sub>2</sub>)=  $=M_{\bullet}(E_{1})+1-M_{\bullet}(E_{1})=1+N_{\bullet}(E_{1})-N_{\bullet}(E_{1})>1.$ 1. Kneurref, TO

(Brar-be megn. MH-ba ha 770 > 0

[9,1] nomen byer nprenep Butana)