Monday, October 1, 2018 14:19

gend Cantar Sets:  $\frac{\pi}{2}$  a;  $\leq 1$ ,  $\alpha_i > 0$ , remove middle  $\frac{\alpha_i}{2^i}$  at each stage.

Joel M. blug

of = all nonempty finite subsets of N.

Theorem: If  $J = \bigcup_{i=1}^{N} C_i$  then one  $C_i$  contains some  $FU(\alpha_i)_{i=1}^{\infty} = \{\alpha_{i_1} \cup \alpha_{i_2} \cup \cdots \cup \alpha_{i_K} : k \in \mathbb{N}, i_1 < i_2 < \cdots < i_K \}$ where  $\alpha_i \in \mathcal{F}$  and are disjoint.

Now  $\bigoplus_{1}^{\infty} \mathbb{F}_{2} = \mathbb{V}_{\mathbb{F}_{2}}$  business.

T/F if  $V_{E_2} = \bigcup_{i=1}^{n} C_i$  then one  $C_i$  contains an infinite

Ex: Show Theorem above is equiv. to normal Hindmanth m IN (both forms, FSCx.).

& Show these

are equivalent too)

かなり

Theorems to know from §8: 8.1.1, 8.2.1, 8.2.2, 8.3.1, 8.5.1