

Separability HP

linear separable problem

$\mathbb{R}, \mathbb{Q} \subseteq \mathbb{R}$

$A \text{ linear} \subseteq X \quad \overline{A} = X$

$z \in A$ do convergência do ciclo X



$\bullet$ separable $|A| \leq |N|$

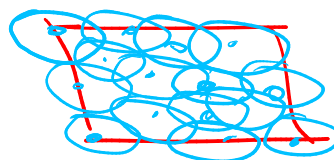
$N \cup N$

$N \times N$

Tot. ord. HP

$\boxed{\varepsilon \rightarrow 0}$

$\exists$ ord. ε -stE

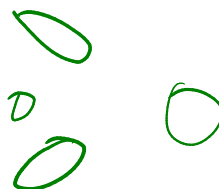


Separable HP

$\mathbb{R}$



Int.



$u = A \cup B$

$\overline{A \cap B} = \emptyset = \overline{B \cap A}$

Not separable

$H = G_1 \cup G_2$

disj. of.

$H = F_1 \cup F_2$

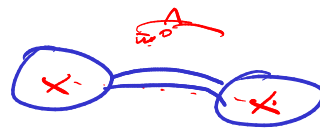
disj. u_2 .

$\sim H$ obajtra una $H = u_2 \in$ of
 $[1,2] \cup (3,4)$ (Fideli u_2 or.)

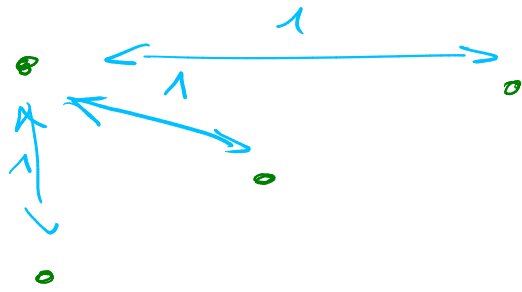
$\downarrow \text{Fiv} \Sigma$. Solv.



$\text{Fiv} \Sigma = \mathbb{Z} : [0, 1] \rightarrow \mathbb{H}$ spj.



$\downarrow \text{F.} \Sigma \Rightarrow \Sigma$.



$$\varepsilon = 1/5$$



a_n



8
11

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