Jaka jest moc zbioru Y = {(a, b) ∈ R<sup>2</sup>: (a + b)<sup>2</sup> ∉ Q ∧ (a − b)<sup>2</sup> ∉ Q}? Y = { < a, 6 > ER2: (a = 6) = Q / (a = 6) = Q / 1 = { (a, b) & R': a=0, b & V} —) IR|= IR\∑I=C Definiajemy shisu par tali je  $V_{A} = \{ \langle a, b \rangle \in \mathbb{R}^{2} : a = 0, b \in \mathbb{V} \}$   $( - \times_{o} = ($ Teza: (1) Y<sub>1</sub> = Y olowfol |Y<sub>2</sub>| = |V |= |X |= |C| (2) | \quad Jes'hi tale begotrie to 19/ to esceniei begotrie C show jest on poolsbiorem R2 Ad (1)  $\langle a, b \rangle \in \bigvee_{\underline{a}} = \rangle \langle a, b \rangle \in \bigvee_{\underline{a}}$   $\langle a, b \rangle \in \bigvee_{\underline{a}} \langle a, b \rangle \in \bigvee_{\underline{a$ W 6 words a=0, h ∈ V => h € X => h² € Q  $(a+b)^2 = b^2 \notin Q$   $(a-b)^2 = b^2 \notin Q$ 2 atem; Y1 ⊆ Y Ø |Y2 |= |X1 |= |R1 C = | \quad 1 \le | \quad | \q Oolpowieoli: |Y | = (

to jest inace; slapet nieure

RNX

NOCY Continue

X UX = R

XCR RAX

 $|X| \le |R| |X \cup X'| = |R|$ where topo show  $|X| = |N| = X_0$ 

to moc | X' |= C

Note X i X jaleo jego dojatnicnie se vostgarne, a stano samujemy skiny vortgarne to moc ich sumy jest whoma samie

mocy tych sbiován co w vezultanie olatoby nam Ko } gpnenność

by nam Ko } spneumosi