( - ( - di
intivite acoestina
R" = { (x, x2,) ER"   x ; ER }
UCR®
$\mathbb{R}^{\infty} = \{(\alpha_{1}, \alpha_{2}, \dots) \in \mathbb{R}^{\infty} \mid \alpha_{i} \in \mathbb{R}^{2}\}$ $\mathbb{U} \subset \mathbb{R}^{\infty}$ $\mathbb{U} = \{(\alpha_{1}, \alpha_{2}, \dots) \in \mathbb{R}^{\infty} \mid \alpha_{i+2} = \alpha_{i+1}, t\alpha_{i} \neq 1\}$
din U? Prove U finite dimensional? then find
lenath of basis gives din y AND Shows finite
length of basis gives dim U AND shows finite dimensionality
CLAIM: There is only one such eggrence
CLAIM: There is only one such segrence  [d., d.,)   dirzka; + aiti
(o, o,, o; o,)
(~ /~
$(\alpha, \alpha_2, (\alpha, +\alpha_2), (\alpha_2 + \alpha), (2\alpha, +3\alpha_2),$
3x, + 5x2