Quiz 1

(Da) IN < P(N) < IR IR and P(IR)

Proof by Contradiction.

Suppose Wol were false.

S-h honempty set of hon-re integers that Contains ho Smaller element.

P(n): ifs for all ich

T.P.: P(n) es tou + n

 $(a_{c}c) \in \mathbb{R}^{2}$. $\exists b$ Such that $(a_{c}b)$, $(b,c) \in \mathbb{R} \Rightarrow (a_{c}c) \in \mathbb{R}$ $(a_{r}b) \in R$ and $(a_{r}a_{r}) \in R^{2}$ $(a_{r}b) \in R^{2}$

3 h2-h