



NATURAL NUMBERS EXERCISES

Why

Some additional practice with natural numbers.

Exercises

Exercise 1. *Show that if n is a natural number, then $n^+ \neq n$.*

Exercise 2. *Show that if $n \neq 0$, then there exists a natural number m so that $n = m^+$.*

Exercise 3. *Prove that ω is infinite.*

Exercise 4. *Let E be a nonempty subset of a natural number. Show that there exists $k \in E$ so that $k \in m$ whenever $m \in E$ and $m \neq k$.*

