Why

Some additional practice with natural numbers.

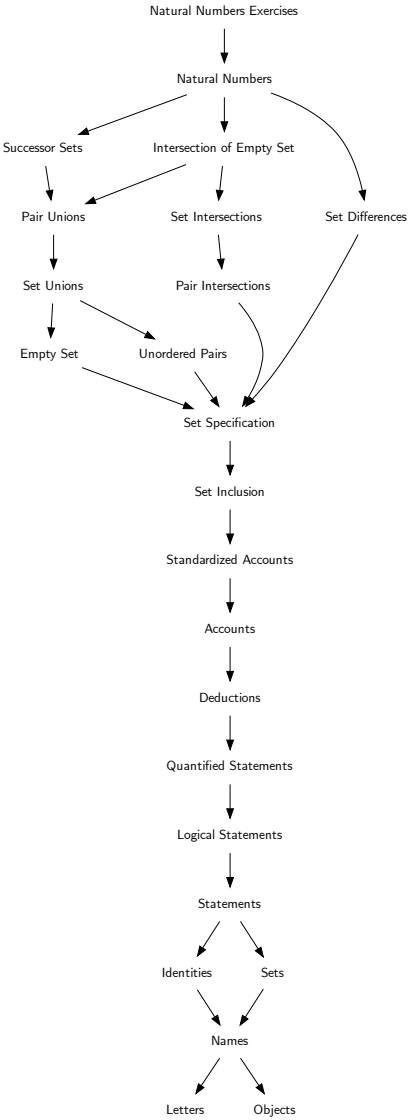
Exercises

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 ther exists $k \in E$ so that $k \in m$ whenever $m \in E$ and $m \neq k$.*


Natural Numbers Exercises
Natural Numbers
Successor Sets
Intersection of Empty Set
Pair Unions
Set Intersections
Set Differences
Set Unions
Pair Intersections
Empty Set
Unordered Pairs
Set Specification
Set Inclusion
Standardized Accounts
Accounts
Deductions
Quantified Statements
Logical Statements
Statements
Identities
Sets
Names
Letters
Objects