0.1 Finite and infinite sets

0.1.1 Finite sets

A set is finite is there is a proper subset without a bijection.

Proper subset: $A \subset B$

For example for set $\{a, b, c\}$ There is no subset with a bijection.

0.1.2 Infinite sets

For the natural numbers, all natural numbers except 0 is a proper subset, and there is a bijection.