ZTF

October 18, 2025

1 Axioms

Existentionality: $\mathbb{A} = a_1, a_2, ... \wedge \mathbb{B} = a_1, a_2, ... \implies$ theres no reason to use B, they're equal.

Pairing: if $\mathbb{A}$ and $\mathbb{B}$ is at set then theres a set with its content being $\{\mathbb{A}, \mathbb{B}\}$

Union: set of sets $\mathbb{S} = \mathbb{A}, \mathbb{B}, \mathbb{C}$ is equal to $\bigcup \mathbb{S} = \mathbb{A} \cup \mathbb{B} \cup \mathbb{C} \cup ...$

Power set: $\forall \mathbb{S} \mid \mathcal{P}(\mathbb{S}) = \{$every subset of $\mathbb{S}\}$