	statement	assumptions	step type
0.	$0 \in \mathbb{N}$		modus ponens
1.	$((0 \in \mathbb{N}) \land [\forall_{n \in \mathbb{N}}\, ((n+1) \in \mathbb{N})]) \Rightarrow (0 \in \mathbb{N})$		specialization v $\{A_{\square} : (),\ B : 0$
2.	$(0 \in \mathbb{N}) \land [\forall_{n \in \mathbb{N}}\, ((n+1) \in \mathbb{N})]$		modus ponens
3.	$\forall_{\ ..,A_{\square},..\ ,B,\ ..,C_{\square},..}\ ((\ .. \land A_{\square} \land ..\ \land B \land\ .. \land C_{\square} \land ..\ ) \Rightarrow B)$	theorem: proveit.logic.boolean.co	
4.	$(\mathbb{N} = \mathbb{N}) \Rightarrow ((0 \in \mathbb{N}) \land [\forall_{n \in \mathbb{N}}\, ((n+1) \in \mathbb{N})])$		specialization v $\{A : \mathbb{N} = \mathbb{N},\ B$
5.	$\mathbb{N} = \mathbb{N}$		specialization v $\{x : \mathbb{N}\}$
6.	$\forall_{A,B\ \mid\ (A \Leftrightarrow B)}\, (A \Rightarrow B)$	theorem: proveit.logic.boolean.im	
7.	$(\mathbb{N} = \mathbb{N}) \Leftrightarrow ((0 \in \mathbb{N}) \land [\forall_{n \in \mathbb{N}}\, ((n+1) \in \mathbb{N})])$		specialization v $\{S : \mathbb{N}\}$
8.	$\forall_{x}\, (x = x)$	axiom: proveit.logic.equality.equa	
9.	$\forall_{S\ \mid\ (S \subseteq \mathbb{N})}\, ((S = \mathbb{N}) \Leftrightarrow ((0 \in S) \land [\forall_{n \in S}\, ((n+1) \in S)]))$	axiom: proveit.number.sets.integ	
10.	$\mathbb{N} \subseteq \mathbb{N}$		specialization v $\{A : \mathbb{N},\ B : \mathbb{N}\}$
11.	$\forall_{A,B\ \mid\ (A = B)}\, (A \subseteq B)$	theorem: proveit.logic.set_theory.	