

Remark 3.186. *[26K] Peano's Axioms are provable in this model; moreover the order relation satisfies the requirements of Hypothesis [26H]; therefore this model of \mathbb{N} enjoys all properties discussed in Sec. [1X9]: all different versions of the induction principle; (\mathbb{N}, \subseteq) is well-ordered; definitions by recursion; arithmetic, etc.*

When we will want to compare this model with other models, we will denote it by \mathbb{N}_{ZF} .