

t45_nat_1
(TMWBYcsZT3movnB4YurYJZrP6tejr kfpAfb)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. X0 \in k1_ordinal1 X0 \tag{1}$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (k1_ordinal1 X0 = k1_nat_1 X0 np_1) \tag{2}$$

Assume the following.

$$\forall X0. k1_ordinal1 X0 = k2_xboole_0 X0 (k1_tarski X0) \tag{3}$$

Theorem 1 $\forall X0. (v7_ordinal1 X0) \Rightarrow (X0 \in k1_nat_1 X0 np_1)$.