

t15_ordinal6 (TMTYR-
CwAJ9BQoz1gyrnVrVVSTxcTWd6ECPW)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_ordinal6 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k2_wellord2 : \iota \Rightarrow \iota$ be given. Let $k1_wellord2 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(r1_tarski X1 X0) \Rightarrow (k2_ordinal1 X1 = X1)) \quad (1)$$

Assume the following.

$$\forall X0.X0 \in k1_ordinal1 X0 \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_tarski (k1_tarski X0) X1) \Rightarrow (k2_wellord2 (k1_wellord2 (k1_tarski X0)) = np_1)) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (4)$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow ((\neg v1_xboole_0 (k1_ordinal1 X0)) \wedge (v3_ordinal1 (k1_ordinal1 X0))) \quad (5)$$

Assume the following.

$$\forall X0.k1_ordinal6 X0 = k2_wellord2 (k1_wellord2 (k2_ordinal1 X0)) \quad (6)$$

Theorem 1 $\forall X0.(v3_ordinal1 X0) \Rightarrow (k1_ordinal6 (k1_tarski X0) = np_1).$