

t7_ordinal1 (TMW-
FYC9J8hsSbJmCRiNahajekn5WKKgso4b)

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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.

$$\forall X0. \forall X1. \forall X2. (X0 \in k2_xboole_0 X2 (k1_tarski X1)) \Leftrightarrow ((X0 \in X2) \vee (X0 = X1)) \quad (1)$$

Assume the following.

$$\forall X0. k1_ordinal1 X0 = k2_xboole_0 X0 (k1_tarski X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (3)$$

Theorem 1 $\forall X0. \forall X1. (k1_ordinal1 X0 = k1_ordinal1 X1) \Rightarrow (X0 = X1)$.