

t4_ordinal3
(TMT8SVpm38VRV4rf4CSpem7jSJhhnd3su2E)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. (\forall X1. (X1 \in X0) \Rightarrow (v3_ordinal1 X1)) \Rightarrow (v3_ordinal1 (k3_tarski X0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v3_ordinal1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (v3_ordinal1 X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

Theorem 1

$$\forall X0. (v3_ordinal1 X0) \Rightarrow (\forall X1. (r1_tarski X1 X0) \Rightarrow (v3_ordinal1 (k3_tarski X1)))$$