

t3_ordinal2

(TMLs28DNiHo5GmKtumLc2GdRZjbDBf7jDya)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k9_setfam.1 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. r1_tarski X0 (k1_zfmisc.1 (k3_tarski X0)) \quad (1)$$

Assume the following.

$$\forall X0. (v3_ordinal1 X0) \Rightarrow (k3_tarski (k1_ordinal1 X0) = X0) \quad (2)$$

Assume the following.

$$\forall X0. k9_setfam.1 X0 = k1_zfmisc.1 X0 \quad (3)$$

Assume the following.

$$\forall X0. k1_ordinal1 X0 = k2_xboole.0 X0 (k1_tarski X0) \quad (4)$$

Theorem 1

$$\forall X0. (v3_ordinal1 X0) \Rightarrow (r1_tarski (k1_ordinal1 X0) (k9_setfam.1 X0))$$