

t10_ordinal2
(TMPU6FSKLVgggfQgGVwFDN81FREpqhoppKtZ)

October 27, 2020

Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_ordinal1 : \iota \Rightarrow \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v4_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k3_ordinal1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((X2 \in X0) \wedge (\exists X3. (v3_ordinal1 X3) \wedge ((X2 = X3) \wedge (v4_ordinal1 X3))))) \quad (2)$$

Theorem 1 $\forall X0. r1_tarski (k3_ordinal1 X0) X0.$