

t6_ordinal2 (TMds-
FCZWzd76J16gZa9p7TTEGv9VJkXtQ4U)

October 27, 2020

Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v5_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k1_ordinal2 : \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (k3_tarski (k1_ordinal1 X0) = X0) \quad (1)$$

Assume the following.

$$\forall X0.((v5_ordinal1 X0) \wedge ((v1_relat_1 X0) \wedge (v1_funct_1 X0))) \Rightarrow (k1_ordinal2 X0 = k1_funct_1 X0 (k3_tarski (k9_xtuple_0 X0))) \quad (2)$$

Theorem 1

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.((v5_ordinal1 X1) \wedge ((v1_relat_1 X1) \wedge (v1_funct_1 X1))) \Rightarrow ((k9_xtuple_0 X1 = k1_ordinal1 X0) \Rightarrow (k1_ordinal2 X1 = k1_funct_1 X1 X0)))$$