

t12_funct_5
(TMYepJk3pLFn7VASdPhJj2djKCDeutRpAa4)

October 27, 2020

Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow ((X2 = k1_tarski \\ (k4_tarski X0 X1)) \Rightarrow ((k9_xtuple_0 X2 = k1_tarski X0) \wedge (k10_xtuple_0 \\ X2 = k1_tarski X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. v1_relat_1 (k1_tarski (k4_tarski X0 X1)) \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. (k9_xtuple_0 (k1_tarski (k4_tarski X0 X1)) = \\ k1_tarski X0) \wedge (k10_xtuple_0 (k1_tarski (k4_tarski X0 X1)) = k1_tarski \\ X1) \end{aligned}$$