

t26_zfmisc_1

(TMGJURbZy78Z351JuTkztKyRRit2hPqBtc8)

October 27, 2020

Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k2_tarski X0 X1 = k2_xboole_0 (k1_tarski X0) (k1_tarski X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k3_tarski (k2_tarski X0 X1) = k2_xboole_0 X0 X1 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. k3_tarski (k2_tarski (k1_tarski X0) (k1_tarski X1)) = k2_tarski X0 X1$$