

t117_zfmisc_1

(TMF4YgQzv5y1FK2bfGJKLj3dV9ksyQKWKba)

October 27, 2020

Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k4_xboole_0 X0 (k1_tarski X1) = X0) \Leftrightarrow (\neg X1 \in X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k4_xboole_0 (k2_xboole_0 X0 X1) X1 = k4_xboole_0 X0 X1 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (\neg X0 \in X1) \Rightarrow (k4_xboole_0 (k2_xboole_0 X1 (k1_tarski X0)) (k1_tarski X0) = X1)$$