t121_zfmisc_1 (TMNtNiQnEJ1ZJwGpzgUhCFg5fZse8hQ4ewq)

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 $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.k4\_xboole\_0\ (k2\_xboole\_0\ X0\ X1)\ X1 = k4\_xboole\_0\ X0\ X1 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\neg(\neg X0 \in X2) \wedge ((\neg X1 \in X2) \wedge (X2 \neq k4\_xboole\_0\ X2\ (k2\_tarski\ X0\ X1))) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\neg(\neg X0 \in X2) \wedge ((\neg X1 \in X2) \wedge (X2 \neq k4\_xboole\_0\ (k2\_xboole\_0\ X2\ (k2\_tarski\ X0\ X1))\ (k2\_tarski\ X0\ X1)))$$