t44_zfmisc_1 (TMLiRxkcD8eL81kz17HEBcP4ZfS279urmz4)

October 27, 2020

Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.k2\_xboole\_0\ (k1\_tarski\ X0)\ X1 \neq k1\_xboole\_0 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.k2\_tarski\ X0\ X1 = k2\_xboole\_0\ (k1\_tarski\ X0)\ (k1\_tarski\ X1) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(k2\_xboole\_0\ X0\ X1 = k1\_xboole\_0) \Rightarrow (X0 = k1\_xboole\_0) \tag{3}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.k2\_xboole\_0\ (k2\_tarski\ X0\ X1)\ X2 \neq k1\_xboole\_0$$