t4_chain_1 (TMUARC8p7ybnJ48ZPcPpLJv9sPp3NM7hHoz)

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Let $v1\_zfmisc\_1 : \iota \Rightarrow o$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

Assume the following.

$$\forall X0.k2\_xboole\_0\ X0\ k1\_xboole\_0 = X0 \tag{2}$$

Assume the following.

$$\forall X0.\neg(\neg v1\_xboole\_0\ X0) \wedge ((v1\_zfmisc\_1\ X0) \wedge (\forall X1.\ X0 \neq k1\_tarski\ X1)) \tag{3}$$

Assume the following.

$$\forall X0.v1\_zfmisc\_1\ (k1\_tarski\ X0) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.k2\_xboole\_0\ X0\ X1 = k2\_xboole\_0\ X1\ X0 \tag{5}$$

Theorem 1

$$\forall X0.\forall X1.\neg(v1\_zfmisc\_1\ X0) \wedge ((\neg v1\_zfmisc\_1\ (k2\_xboole\_0\ X0\ (k1\_tarski\ X1))) \wedge (\forall X2.X0 \neq k1\_tarski\ X2))$$