t11_zfmisc_1 (TMYAomvbeSKSaUB-gYsxQCK6qLW5RjdjnPzk)

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Let $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(\neg X0 \in X1) \Rightarrow (r1\_xboole\_0\ (k1\_tarski\ X0)\ X1) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1\_tarski\ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.(X0 \neq X1) \Rightarrow (r1\_xboole\_0\ (k1\_tarski\ X0)\ (k1\_tarski\ X1))$$