# t64_zfmisc_1 (TMFcZNbFygvtrb8bRBWn34T66hJnwayPzoK)

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Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.(k4\_xboole\_0\ X0\ X1 = k1\_xboole\_0) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski\ (k2\_tarski\ X0\ X1)\ X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \tag{2}$$

**Theorem 1**

$$\forall X0.\forall X1.\forall X2.(k4\_xboole\_0\ (k2\_tarski\ X0\ X1)\ X2 = k1\_xboole\_0) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2))$$