t2_relset_2 (TMcEbBwNi9VUXskBtWV2zcZ72tKzuh4Sf8p)

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Let $k1\_xboole\_0 : \iota$ be given. Let $k10\_eqrel\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.(X0 \in k10\_eqrel\_1\ X1) \Leftrightarrow (\exists X2.(X0 = k1\_tarski\ X2) \wedge (X2 \in X1)) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{2}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Leftrightarrow (\forall X1.\neg X1 \in X0) \tag{4}$$

Theorem 1 $\forall X0.(X0 = k1\_xboole\_0) \Leftrightarrow (k10\_eqrel\_1\ X0 = k1\_xboole\_0)$.