t6_taxonom2 (TMTPqVj4SfPLbCiVr96ovXi8BuoGKTPqxEN)

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Let $v3\_taxonom2 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.\neg(X0 \in X1) \wedge (v1\_xboole\_0\ X1) \tag{1}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.(v3\_taxonom2\ X0) \Leftrightarrow (\forall X1.\forall X2.\neg(X1 \in X0) \wedge ((X2 \in X0) \wedge ((\neg r1\_tarski\ X1\ X2) \wedge ((\neg r1\_tarski\ X2\ X1) \wedge (\neg r1\_xboole\_0\ X1\ X2))))) \tag{3}$$

Theorem 1 $v3\_taxonom2\ k1\_xboole\_0$.