

t3\_xboole\_1

(TMJp8c6xwgFjeekW9WXwVaKBwDFtdt7rQLj)

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

$$\forall X0. r1\_tarski\ k1\_xboole\_0\ X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1\_tarski\ X0\ X1) \wedge (r1\_tarski\ X1\ X0)) \quad (2)$$

**Theorem 1**  $\forall X0. (r1\_tarski\ X0\ k1\_xboole\_0) \Rightarrow (X0 = k1\_xboole\_0)$ .