

t60\_xboole\_1

(TMHF5XXGKopo6Fuy6aiCh1H3EFz6vSZCHHx)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r2\_xboole\_0 X0 X1) \Leftrightarrow ((r1\_tarski X0 X1) \wedge (X0 \neq X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r2\_xboole\_0 X0 X1) \Rightarrow (\neg r2\_xboole\_0 X1 X0) \quad (2)$$

**Theorem 1**  $\forall X0. \forall X1. \neg (r1\_tarski X0 X1) \wedge (r2\_xboole\_0 X1 X0)$ .