

t61_xboole_1
(TMUBFGT9tLcqfZoxdgZbfrHCgGCfBzMcfix)

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Let $k1_xboole_0 : \iota$ be given. Let $r2_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. r1_tarski\ k1_xboole_0\ X0 \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (r2_xboole_0\ X0\ X1) \Leftrightarrow ((r1_tarski\ X0\ X1) \wedge (X0 \neq X1)) \tag{2}$$

Theorem 1 $\forall X0. (X0 \neq k1_xboole_0) \Rightarrow (r2_xboole_0\ k1_xboole_0\ X0)$.