

t69_xboole_1
(TMPtgnCme6UDvfigcfDojr7ENAKzBFyq5rB)

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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.

$$\forall X0. \forall X1. \forall X2. (\neg v1_xboole_0 X2) \Rightarrow (\neg (r1_tarski X2 X0) \wedge ((r1_tarski X2 X1) \wedge (r1_xboole_0 X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 X0 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (\neg v1_xboole_0 X1) \Rightarrow (\neg (r1_tarski X1 X0) \wedge (r1_xboole_0 X1 X0))$$