

t1\_trees\_3  
(TMZe8s7gPVh3cQ6VKPkhjNeJCo1KJgvRgVJ)

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Let  $v1\_trees\_3 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_trees\_3 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_trees\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_trees\_3 X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow ((\neg v1\_xboole\_0 X1) \wedge (v1\_trees\_1 X1))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Assume the following.

$$\forall X0.(X0 = k1\_trees\_3) \Leftrightarrow (\forall X1.(X1 \in X0) \Leftrightarrow ((\neg v1\_xboole\_0 X1) \wedge (v1\_trees\_1 X1))) \quad (3)$$

**Theorem 1**  $\forall X0.(v1\_trees\_3 X0) \Leftrightarrow (r1\_tarski X0 k1\_trees\_3)$ .