

t12_trees_3 (TMcQyJd-
NEy9QsX38N1WKyxZiCwVTtoC29VN)

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Let $v1_trees_3 : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ 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.

$$\forall X0.\forall X1.(X1 = k1_tarski X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (2)$$

Theorem 1

$$\forall X0.(v1_trees_3 (k1_tarski X0)) \Leftrightarrow ((\neg v1_xboole_0 X0) \wedge (v1_trees_1 X0))$$