

t2_trees_3
(TMXLupZuGdWcQjfkABe4E2SZ5fELGFyci5)

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Let $v2_trees_3 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_trees_3 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_trees_3 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v1_trees_1 : \iota \Rightarrow o$ be given. Assume the following.

$$m1_subset_1 \ k2_trees_3 \ (k1_zfmisc_1 \ k1_trees_3) \tag{1}$$

Assume the following.

$$\forall X0.(v2_trees_3 \ X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow ((\neg v1_xboole_0 \ X1) \wedge ((v1_finset_1 \ X1) \wedge (v1_trees_1 \ X1)))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski \ X0 \ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{3}$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ (k1_zfmisc_1 \ k1_trees_3)) \Rightarrow ((X0 = k2_trees_3) \Leftrightarrow (\forall X1.(X1 \in X0) \Leftrightarrow ((\neg v1_xboole_0 \ X1) \wedge ((v1_finset_1 \ X1) \wedge (v1_trees_1 \ X1))))) \tag{4}$$

Theorem 1 $\forall X0.(v2_trees_3 \ X0) \Leftrightarrow (r1_tarski \ X0 \ k2_trees_3)$.