

t6_trees_4
(TMJtAATNB9F177dJA7AA8txi2Q7dRfREqp5)

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Let $k1_trees_4 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k16_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_trees_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k7_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k16_funcop_1 X0 X1 = k1_tarski (k4_tarski X0 X1) \quad (1)$$

Assume the following.

$$k2_trees_1 k6_numbers = k1_tarski k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k16_funcop_1 X0 X1 = k7_funcop_1 (k1_tarski X0) X1 \quad (3)$$

Assume the following.

$$\forall X0. k1_trees_4 X0 = k7_funcop_1 (k2_trees_1 k6_numbers) X0 \quad (4)$$

Theorem 1 $\forall X0. k1_trees_4 X0 = k1_tarski (k4_tarski k1_xboole_0 X0)$.