

t25_trees_2 (TMVyBsXqaCVD- HGLFES93QHdmvEdbP43K8VX)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_trees_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v2_trees_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_trees_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k1_trees_1 : \iota \Rightarrow \iota$ be given. Let $r2_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow \\ (\forall X1.((v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge (v1_finseq_1 X1))) \Rightarrow ((X0 \in k1_trees_1 X1) \Leftrightarrow (r2_xboole_0 X0 X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m2_finseq_1 X1 X0) \Rightarrow ((v1_funct_1 X1) \wedge (v1_finseq_1 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers X0)))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r2_xboole_0 X0 X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (X0 \neq X1)) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_trees_1 X0)) \Rightarrow (\forall X1. \\ (m1_trees_2 X1 X0) \Rightarrow ((v2_trees_2 X1 X0) \Leftrightarrow ((\forall X2. (m2_finseq_1 X2 k5_numbers) \Rightarrow ((X2 \in X1) \Rightarrow (r1_tarski (k1_trees_1 X2) X1))) \wedge (\forall X2. \\ (m2_finseq_1 X2 k5_numbers) \Rightarrow (\neg (X2 \in X0) \wedge (\forall X3. (m2_finseq_1 X3 k5_numbers) \Rightarrow ((X3 \in X1) \Rightarrow (r2_xboole_0 X3 X2)))))))) \end{aligned} \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))\Rightarrow(v1_relat_1 X2) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v1_xboole_0 X0)\wedge(v1_trees_1 X0))\Rightarrow(\forall X1. \\ & (m2_finseq_1 X1 k5_numbers)\Rightarrow(\forall X2.(m2_finseq_1 X2 k5_numbers)\Rightarrow \\ & (\forall X3.((v2_trees_2 X3 X0)\wedge(m1_trees_2 X3 X0))\Rightarrow(((r1_tarSKI \\ & X1 X2)\wedge(X2 \in X3))\Rightarrow(X1 \in X3)))))) \end{aligned}$$