

t44_comput_1

(TMXLehr99yTQ33eFXSzLQfCinTmBESBvDpm)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m2_rfunct_3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k2_comput_1 : \iota \Rightarrow \iota$ be given. Let $v3_comput_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_funct_6 : \iota \Rightarrow \iota$ be given. Let $k19_margrel1 : \iota \Rightarrow \iota$ be given. Let $k1_comput_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k4_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v2_margrel1 : \iota \Rightarrow o$ 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. Let $k1_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_rfunct_3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $v4_valued_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow & (\forall X1. (m2_rfunct_3 X1 (k3_finseq_2 \\ X0) X0 (k2_comput_1 X0)) \Rightarrow & (\forall X2. ((v3_comput_1 X2) \wedge (m2_finseq_1 \\ X2 (k2_comput_1 X0))) \Rightarrow & ((r1_tarski (k9_xtuple_0 (k3_relat_1 (\\ k6_funct_6 X2) X1)) (k4_finseq_2 (k1_comput_1 X2) X0)) \wedge & ((r1_tarski \\ (k10_xtuple_0 (k3_relat_1 (k6_funct_6 X2) X1)) X0) \wedge & (k3_relat_1 \\ (k6_funct_6 X2) X1 \in k2_comput_1 X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow & (\forall X1. ((\neg v1_xboole_0 X1) \wedge \\ ((v1_funct_1 X1) \wedge & ((v2_margrel1 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 \\ (k2_zfmisc_1 (k3_finseq_2 X0) X0)))))) \Rightarrow & (\forall X2. (m1_subset_1 \\ X2 k5_numbers) \Rightarrow & ((r1_tarski (k1_relset_1 (k3_finseq_2 X0) X1) \\ (k4_finseq_2 X2 X0)) \Rightarrow & (k19_margrel1 X1 = X2)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((\neg v1_xboole_0 X2)\wedge(m1_r\text{funct}_3 X2 X0 X1))\Rightarrow(\forall X3.(m2_r\text{funct}_3 X3 X0 X1 X2)\Leftrightarrow(m1_subset_1 X3 X2)) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(m2_finseq_1 X1 X0)\Leftrightarrow(m1_finseq_1 X1 X0) \quad (4)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.((v1_relat_1 X1)\wedge(v4_relat_1 X1 X0))\Rightarrow(k1_relset_1 X0 X1 = k9_xtuple_0 X1) \quad (6)$$

Assume the following.

$$(\neg v1_xboole_0 k4_ordinal1)\wedge(v3_ordinal1 k4_ordinal1) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((\neg v1_xboole_0 X2)\wedge(m1_r\text{funct}_3 X2 X0 X1))\Rightarrow(\forall X3.(m2_r\text{funct}_3 X3 X0 X1 X2)\Rightarrow((v1_funct_1 X3)\wedge(m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))))) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.(m1_finseq_1 X1 X0)\Rightarrow((v1_relat_1 X1)\wedge((v1_funct_1 X1)\wedge(v1_finseq_1 X1))) \quad (9)$$

Assume the following.

$$\forall X0.(\neg v1_xboole_0 (k2_comput_1 X0))\wedge(m1_r\text{funct}_3 (k2_comput_1 X0) (k3_finseq_2 X0) X0) \quad (10)$$

Assume the following.

$$\forall X0.((v1_relat_1 X0)\wedge(v3_comput_1 X0))\Rightarrow(m1_subset_1 (k1_comput_1 X0) k5_numbers) \quad (11)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k2_comput_1 k5_numbers))\Rightarrow((v4_relat_1 X0 (k3_finseq_2 k5_numbers))\wedge((v4_valued_0 X0)\wedge(v2_margrel1 X0))) \quad (12)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))\Rightarrow(v1_relat_1 X2) \quad (13)$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v1_xboole_0 X0) \wedge (m2_rfunct_3 X0 (k3_finseq_2 k5_numbers) \\ & \quad k5_numbers (k2_comput_1 k5_numbers))) \Rightarrow (\forall X1.((\neg v1_xboole_0 \\ X1) \wedge (m2_rfunct_3 X1 (k3_finseq_2 k5_numbers) k5_numbers (k2_comput_1 \\ & \quad k5_numbers))) \Rightarrow (\forall X2.((v3_comput_1 X2) \wedge (m2_finseq_1 X2 \\ (k2_comput_1 k5_numbers))) \Rightarrow ((X1 = k3_relat_1 (k6_funct_6 X2) \\ X0) \Rightarrow (k19_margrel1 X1 = k1_comput_1 X2)))))) \end{aligned}$$