

t14_ami_wstd (TMSMJpimBLamZPJzN- maK5fysUzYY21VBnex)

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Let $v1_setfam_1 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v2_memstr_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_memstr_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_ami_wstd : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_extpro_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k5_ami_wstd : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_ami_wstd : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_ami_wstd : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v6_membered : \iota \Rightarrow o$ be given. Let $k4_ami_wstd : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & ((v2_xxreal_0\ np_1) \wedge (m2_subset_1\ np_1\ k1_numbers\ k5_numbers)) \wedge \\ & ((m1_subset_1\ np_1\ k5_numbers) \wedge (m1_subset_1\ np_1\ k1_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$v6_membered\ k4_ordinal1 \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. (\neg v1_setfam_1\ X0) \Rightarrow (\forall X1. ((\neg v2_struct_0\ X1) \wedge \\ & ((v2_memstr_0\ X1\ X0) \wedge ((v3_memstr_0\ X1\ X0) \wedge ((v2_ami_wstd\ X1\ X0) \wedge \\ & (l1_extpro_1\ X1\ X0)))))) \Rightarrow (\forall X2. (m2_subset_1\ X2\ k1_numbers \\ & k5_numbers) \Rightarrow (k5_ami_wstd\ X0\ X1\ X2 = k4_ami_wstd\ X0\ X1\ X2\ np_1)) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. (\neg v1_setfam_1\ X0) \Rightarrow (\forall X1. ((\neg v2_struct_0\ X1) \wedge \\ & ((v2_memstr_0\ X1\ X0) \wedge ((v3_memstr_0\ X1\ X0) \wedge ((v2_ami_wstd\ X1\ X0) \wedge \\ & (l1_extpro_1\ X1\ X0)))))) \Rightarrow (\forall X2. (m2_subset_1\ X2\ k1_numbers \\ & k5_numbers) \Rightarrow (\forall X3. (v7_ordinal1\ X3) \Rightarrow (k4_ami_wstd\ X0\ X1 \\ & X2\ X3 = k1_ami_wstd\ X0\ X1\ (k2_nat_1\ (k3_ami_wstd\ X0\ X1\ X2)\ X3)))) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0.(v6_membered\ X0) \Rightarrow (\forall X1.(m1_subset_1\ X1\ X0) \Rightarrow (v7_ordinal1\ X1)) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.(\neg v1_setfam_1\ X0) \Rightarrow (\forall X1.((\neg v2_struct_0\ X1) \wedge \\ & ((v2_memstr_0\ X1\ X0) \wedge (v3_memstr_0\ X1\ X0) \wedge ((v2_ami_wstd\ X1\ X0) \wedge \\ & (l1_extpro_1\ X1\ X0)))))) \Rightarrow (\forall X2.(m2_subset_1\ X2\ k1_numbers \\ & k5_numbers) \Rightarrow (k5_ami_wstd\ X0\ X1\ X2 = k1_ami_wstd\ X0\ X1\ (k2_nat_1 \\ & (k3_ami_wstd\ X0\ X1\ X2)\ np_1))) \end{aligned}$$