

t7_translac

(TMKnzyjmgThod1HwSNe68XTAtqgtSmtmJey)

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Let $v7_struct_0 : \iota \Rightarrow o$ be given. Let $v1_diraf : \iota \Rightarrow o$ be given. Let $v2_diraf : \iota \Rightarrow o$ be given. Let $l1_analoaf : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v11_aff_2 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_transgeo : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. ((\neg v7_struct_0 X0) \wedge ((v1_diraf X0) \wedge ((v2_diraf X0) \wedge \\
 & \quad (l1_analoaf X0)))) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 \\
 & \quad X0)) \Rightarrow (\exists X2. ((v1_funct_1 X2) \wedge ((v1_funct_2 X2 (u1_struct_0 \\
 & \quad X0) (u1_struct_0 X0)) \wedge ((v3_funct_2 X2 (u1_struct_0 X0) (u1_struct_0 \\
 & \quad X0)) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 \\
 & \quad X0) (u1_struct_0 X0)))))) \wedge ((v7_transgeo X2 X0) \wedge (k3_funct_2 \\
 & \quad (u1_struct_0 X0) (u1_struct_0 X0) X2 X1 = X1))))))
 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
 & \forall X0. ((\neg v7_struct_0 X0) \wedge ((v1_diraf X0) \wedge ((v2_diraf X0) \wedge \\
 & \quad (l1_analoaf X0)))) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 \\
 & \quad X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\neg (v11_aff_2 \\
 & \quad X0) \wedge ((X1 \neq X2) \wedge (\forall X3. ((v1_funct_1 X3) \wedge ((v1_funct_2 X3 (\\
 & \quad u1_struct_0 X0) (u1_struct_0 X0)) \wedge ((v3_funct_2 X3 (u1_struct_0 \\
 & \quad X0) (u1_struct_0 X0)) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 \\
 & \quad (u1_struct_0 X0) (u1_struct_0 X0)))))) \Rightarrow (\neg (v7_transgeo X3 X0) \wedge \\
 & \quad (k3_funct_2 (u1_struct_0 X0) (u1_struct_0 X0) X3 X1 = X2))))))
 \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v7_struct_0 X0) \wedge ((v1_diraf X0) \wedge ((v2_diraf X0) \wedge \\ & (l1_analoaf X0)))) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 \\ & X0)) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\neg(v11_aff_2 \\ & X0) \wedge (\forall X3.((v1_funct_1 X3) \wedge ((v1_funct_2 X3 (u1_struct_0 \\ & X0) (u1_struct_0 X0)) \wedge ((v3_funct_2 X3 (u1_struct_0 X0) (u1_struct_0 \\ & X0)) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 \\ & X0) (u1_struct_0 X0)))))) \Rightarrow (\neg(v7_transgeo X3 X0) \wedge (k3_funct_2 \\ & (u1_struct_0 X0) (u1_struct_0 X0) X3 X1 = X2)))))) \end{aligned}$$