

t1_papdesaf
(TMaYtuyaPUt2jw358yJqkGotTjUHRtZdi37)

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Let $v7_struct_0 : \iota \Rightarrow o$ be given. Let $v2_analoaf : \iota \Rightarrow o$ 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 $k2_diraf : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $g1_analoaf : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_analoaf : \iota \Rightarrow \iota$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_analoaf : \iota \Rightarrow o$ be given. Let $k1_diraf : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\ & \quad (k2_zfmisc_1 X0 X0) (k2_zfmisc_1 X0 X0)))) \Rightarrow (\forall X2. \forall X3. \\ & (g1_analoaf X0 X1 = g1_analoaf X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1_analoaf X0) \Rightarrow (m1_subset_1 (u1_analoaf X0) (k1_zfmisc_1 \\ & \quad (k2_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 X0) (u1_struct_0 X0)) \\ & \quad (k2_zfmisc_1 (u1_struct_0 X0) (u1_struct_0 X0)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. (l1_analoaf X0) \Rightarrow (l1_struct_0 X0) \quad (3)$$

Assume the following.

$$\forall X0. ((\neg v2_struct_0 X0) \wedge (l1_analoaf X0)) \Rightarrow ((v1_analoaf (k2_diraf X0)) \wedge (l1_analoaf (k2_diraf X0))) \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge (l1_analoaf X0)) \Rightarrow (k2_diraf X0 = \\ & \quad g1_analoaf (u1_struct_0 X0) (k1_diraf (u1_struct_0 X0) (u1_analoaf \\ & \quad X0))) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0. (l1_struct_0 X0) \Rightarrow ((v2_struct_0 X0) \Rightarrow (v7_struct_0 X0)) \quad (6)$$

Assume the following.

$$\forall X0.(l1_analoaf\ X0)\Rightarrow((v1_analoaf\ X0)\Rightarrow(X0 = g1_analoaf\ (u1_struct_0\ X0)\ (u1_analoaf\ X0))) \quad (7)$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v7_struct_0\ X0)\wedge((v2_analoaf\ X0)\wedge(l1_analoaf\ X0)))\Rightarrow(\forall X1.((m1_subset_1\ X1\ (u1_struct_0\ X0))\Rightarrow(m1_subset_1\ X1\ (u1_struct_0\ (k2_diraf\ X0))))\wedge(((m1_subset_1\ X1\ (u1_struct_0\ (k2_diraf\ X0)))\Rightarrow(m1_subset_1\ X1\ (u1_struct_0\ X0)))\wedge(((m1_subset_1\ X1\ (k1_zfmisc_1\ (u1_struct_0\ X0))\Rightarrow(m1_subset_1\ X1\ (k1_zfmisc_1\ (u1_struct_0\ (k2_diraf\ X0))))))\wedge((m1_subset_1\ X1\ (k1_zfmisc_1\ (u1_struct_0\ (k2_diraf\ X0))))\Rightarrow(m1_subset_1\ X1\ (k1_zfmisc_1\ (u1_struct_0\ X0)))))))))) \end{aligned}$$