

l42_aff_4

(TMGG1qa97ovUMDLXJ647xR4yuKkS46R5gTX)

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Let $v7_struct_0 : \iota \Rightarrow o$ be given. Let $v1_diraf : \iota \Rightarrow o$ 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 $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_aff_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_aff_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v7_struct_0 X0) \wedge ((v1_diraf X0) \wedge (l1_analoaf X0))) \Rightarrow \\ & (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. (m1_subset_1 \\ X2 (k1_zfmisc_1 (u1_struct_0 X0)) \Rightarrow ((v1_aff_1 X2 X0) \Rightarrow ((X1 \in X2) \Leftrightarrow \\ & (k2_aff_4 X0 X1 X2 = X2)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v7_struct_0 X0) \wedge ((v1_diraf X0) \wedge (l1_analoaf X0))) \Rightarrow \\ & (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. (m1_subset_1 \\ X2 (k1_zfmisc_1 (u1_struct_0 X0)) \Rightarrow (((v1_aff_1 X2 X0) \wedge (X1 \in X2)) \Rightarrow \\ & (k2_aff_4 X0 X1 X2 = X2)))))) \end{aligned}$$