

t66_abc Miz_1

(TMUH4cQqG4MsFmV3oBprs3WzbbxiKmLQTQo)

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Let $v1_instal\!g_1 : \iota \Rightarrow o$ be given. Let $v1_abc\!miz_1 : \iota \Rightarrow o$ be given. Let $v3_abc\!miz_1 : \iota \Rightarrow o$ be given. Let $l1_msual\!g_1 : \iota \Rightarrow o$ be given. Let $m1_trees_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_card_3 : \iota \Rightarrow \iota$ be given. Let $u3_msual\!g_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_msafree3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k28_abc\!miz_1 : \iota \Rightarrow \iota$ be given. Let $k34_abc\!miz_1 : \iota \Rightarrow \iota$ be given. Let $v2_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_msual\!g_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k13_abc\!miz_1 : \iota \Rightarrow \iota$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k1_msual\!g_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v6_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k36_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v8_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k30_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_abc\!miz_1 : \iota \Rightarrow \iota$ be given. Let $v7_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_instal\!g_1 X0) \wedge ((v1_abc\!miz_1 X0) \wedge ((v3_abc\!miz_1 \\ & X0) \wedge (l1_msual\!g_1 X0)))) \Rightarrow (\forall X1.((v2_abc\!miz_1 X1 X0) \wedge (m1_subset_1 \\ & X1 (u4_struct_0 X0))) \Rightarrow (\forall X2.(m1_abc\!miz_1 X2 X0 (k13_abc\!miz_1 \\ & X0)) \Rightarrow (\forall X3.(m1_trees_4 X3 (k3_card_3 (u3_msual\!g_1 X0 (k1_msafree3 \\ & X0 (k28_abc\!miz_1 X0)))) (k34_abc\!miz_1 X0)) \Rightarrow (\neg(k3_finseq_1 X3 = \\ & k3_finseq_1 (k1_msual\!g_1 X0 X1)) \wedge (k36_abc\!miz_1 X0 X1 X3 = k30_abc\!miz_1 \\ & X0 (k32_abc\!miz_1 X0 X2)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instal\!g_1 X0) \wedge ((v1_abc\!miz_1 X0) \wedge ((v3_abc\!miz_1 \\ & X0) \wedge (l1_msual\!g_1 X0)))) \Rightarrow (\forall X1.((v2_abc\!miz_1 X1 X0) \wedge (m1_subset_1 \\ & X1 (u4_struct_0 X0))) \Rightarrow (\forall X2.(m1_trees_4 X2 (k3_card_3 (\\ & u3_msual\!g_1 X0 (k1_msafree3 X0 (k28_abc\!miz_1 X0)))) (k34_abc\!miz_1 \\ & X0)) \Rightarrow ((k3_finseq_1 X2 = k3_finseq_1 (k1_msual\!g_1 X0 X1)) \Rightarrow (m1_abc\!miz_1 \\ & (k36_abc\!miz_1 X0 X1 X2) X0 (k2_msual\!g_1 X0 X1)))))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1\ X0)))) \Rightarrow (\forall X1.(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0)) \Rightarrow ((v8_abcmiz_1\ X1\ X0) \Leftrightarrow ((v6_abcmiz_1\ X1\ X0) \vee (v7_abcmiz_1 \\ & X1\ X0)))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1\ X0)))) \Rightarrow (\forall X1.(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0)) \Rightarrow ((v6_abcmiz_1\ X1\ X0) \Leftrightarrow (\forall X2.(m1_abcmiz_1\ X2\ X0\ (k13_abcmiz_1 \\ & X0)) \Rightarrow (X1 \neq k30_abcmiz_1\ X0\ (k32_abcmiz_1\ X0\ X2)))))) \end{aligned} \tag{4}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1\ X0)))) \Rightarrow (\forall X1.(m1_trees_4\ X1\ (k3_card_3 \\ & (u3_msualg_1\ X0\ (k1_msafree3\ X0\ (k28_abcmiz_1\ X0))))\ (k34_abcmiz_1 \\ & X0)) \Rightarrow (\forall X2.((v2_abcmiz_1\ X2\ X0) \wedge (m1_subset_1\ X2\ (u4_struct_0 \\ & X0)) \Rightarrow (((k2_msualg_1\ X0\ X2 = k13_abcmiz_1\ X0) \wedge (k3_finseq_1\ X1 = \\ & k3_finseq_1\ (k1_msualg_1\ X0\ X2))) \Rightarrow ((v6_abcmiz_1\ (k36_abcmiz_1 \\ & X0\ X2\ X1)\ X0) \wedge ((v8_abcmiz_1\ (k36_abcmiz_1\ X0\ X2\ X1)\ X0) \wedge (m1_abcmiz_1 \\ & (k36_abcmiz_1\ X0\ X2\ X1)\ X0\ (k13_abcmiz_1\ X0))))))) \end{aligned}$$