

t141_abc Miz_1 (TMbSEgCi- UECJNSVVZX4GVaMt4QxVBzNaXEV)

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Let $v1_instal1 : \iota \Rightarrow o$ be given. Let $v1_abc Miz_1 : \iota \Rightarrow o$ be given. Let $v3_abc Miz_1 : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $m1_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k13_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_abc Miz_1 : \iota$ be given. Let $k34_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $k60_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k37_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v6_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k15_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $k56_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_abc Miz_1 : \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_instal1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.((\neg v6_abc Miz_1 X1 X0) \wedge (\\ m1_abc Miz_1 X1 X0 (k13_abc Miz_1 X0))) \Rightarrow (k30_abc Miz_1 X0 (k32_abc Miz_1 \\ X0) (k37_abc Miz_1 X0 X1) = X1)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_instal1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.((v6_abc Miz_1 X1 X0) \wedge (m1_abc Miz_1 \\ X1 X0 (k13_abc Miz_1 X0))) \Rightarrow (k37_abc Miz_1 X0 X1 = k30_abc Miz_1 X0 \\ (k32_abc Miz_1 X0) X1)) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_instal1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.(m1_abc Miz_1 X1 X0 (k13_abc Miz_1 \\ X0)) \Rightarrow (\forall X2.(m1_abc Miz_1 X2 X0 (k13_abc Miz_1 X0)) \Rightarrow ((k30_abc Miz_1 \\ X0 (k15_abc Miz_1 X0) X1 = k30_abc Miz_1 X0 (k15_abc Miz_1 X0) X2) \Rightarrow \\ (X1 = X2)))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge((v3_abcmiz_1 \\ & X0)\wedge(l1_msualg_1\ X0))))\Rightarrow(\forall X1.(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0))\Rightarrow(\forall X2.((v1_funct_1\ X2)\wedge(m1_subset_1\ X2\ (k1_zfmisc_1 \\ & (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1\ X0))))\Rightarrow(k56_abcmiz_1 \\ & X0\ X2\ (k30_abcmiz_1\ X0\ (k32_abcmiz_1\ X0)\ X1) = k30_abcmiz_1\ X0\ (k32_abcmiz_1 \\ & X0)\ (k56_abcmiz_1\ X0\ X2\ X1)))) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.(((v1_instalg1\ X0)\wedge((v1_abcmiz_1 \\ & X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ & (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ & X0))))\wedge(m1_abcmiz_1\ X2\ X0\ (k13_abcmiz_1\ X0))))\Rightarrow(k60_abcmiz_1 \\ & X0\ X1\ X2 = k56_abcmiz_1\ X0\ X1\ X2) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0.((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0)))\Rightarrow(k32_abcmiz_1\ X0 = k15_abcmiz_1\ X0) \quad (6)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.(((v1_instalg1\ X0)\wedge((v1_abcmiz_1 \\ & X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ & (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ & X0))))\wedge((v6_abcmiz_1\ X2\ X0)\wedge(m1_abcmiz_1\ X2\ X0\ (k13_abcmiz_1 \\ & X0))))\Rightarrow(v6_abcmiz_1\ (k56_abcmiz_1\ X0\ X1\ X2)\ X0) \end{aligned} \quad (7)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.(((v1_instalg1\ X0)\wedge((v1_abcmiz_1 \\ & X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ & (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ & X0))))\wedge(m1_abcmiz_1\ X2\ X0\ (k13_abcmiz_1\ X0))))\Rightarrow(m1_abcmiz_1 \\ & (k60_abcmiz_1\ X0\ X1\ X2)\ X0\ (k13_abcmiz_1\ X0)) \end{aligned} \quad (8)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.(((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge \\ & ((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0)))\Rightarrow(m1_abcmiz_1\ (k37_abcmiz_1\ X0\ X1)\ X0\ (k13_abcmiz_1\ X0)) \end{aligned} \quad (9)$$

Assume the following.

$$k7_abcmiz_1 = np_1 \quad (10)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge((v3_abcmiz_1 \\ & X0)\wedge(l1_msualg_1\ X0))))\Rightarrow(\forall X1.(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0))\Rightarrow((v6_abcmiz_1\ X1\ X0)\Leftrightarrow(\forall X2.(m1_abcmiz_1\ X2\ X0\ (k13_abcmiz_1 \\ & X0))\Rightarrow(X1\neq k30_abcmiz_1\ X0\ (k32_abcmiz_1\ X0\ X2)))) \end{aligned} \quad (11)$$

Assume the following.

$$\forall X0.((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0)))\Rightarrow(k13_abcmiz_1\ X0 = k7_abcmiz_1) \quad (12)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_instalg1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge((v3_abcmiz_1 \\ & X0)\wedge(l1_msualg_1\ X0))))\Rightarrow(\forall X1.(m1_abcmiz_1\ X1\ X0\ (k13_abcmiz_1 \\ & X0))\Rightarrow(\forall X2.((v1_funct_1\ X2)\wedge(m1_subset_1\ X2\ (k1_zfmisc_1 \\ & (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1\ X0))))\Rightarrow(k60_abcmiz_1 \\ & X0\ X2\ (k37_abcmiz_1\ X0\ X1) = k37_abcmiz_1\ X0\ (k60_abcmiz_1\ X0\ X2\ X1)))) \end{aligned}$$