

t147_abc Miz_1

(TMc3dDEpNRVPUpT31n4269Z2UK6c56MnQ6x)

October 27, 2020

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 $l1_msual1 : \iota \Rightarrow o$ 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 $m3_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k41_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k64_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k63_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k42_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k62_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v9_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k12_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k38_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $k40_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k56_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_instal1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ & X0) \wedge (l1_msual1 X0)))) \Rightarrow (\forall X1.((v9_abc Miz_1 X1 X0) \wedge (m1_subset_1 \\ & X1 X0 (k12_abc Miz_1 X0))) \Rightarrow (\forall X2.((v1_finset_1 X2) \wedge (m1_subset_1 \\ & X2 (k1_zfmisc_1 (k38_abc Miz_1 X0)))) \Rightarrow ((k41_abc Miz_1 X0 (k40_abc Miz_1 \\ & X0 X2 X1) = X2) \wedge (k42_abc Miz_1 X0 (k40_abc Miz_1 X0 X2 X1) = X1)))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (((v1_instal1 X0) \wedge ((v1_abc Miz_1 \\ & X0) \wedge ((v3_abc Miz_1 X0) \wedge (l1_msual1 X0)))) \wedge (((v1_funct_1 X1) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 k2_abc Miz_1 (k34_abc Miz_1 \\ & X0)))) \wedge (m1_abc Miz_1 X2 X0 (k12_abc Miz_1 X0)))) \Rightarrow (k62_abc Miz_1 \\ & X0 X1 X2 = k56_abc Miz_1 X0 X1 X2) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (((v1_instal1 X0) \wedge ((v1_abc Miz_1 X0) \wedge \\ & ((v3_abc Miz_1 X0) \wedge (l1_msual1 X0)))) \wedge (m3_abc Miz_1 X1 X0)) \Rightarrow \\ & (k42_abc Miz_1 X0 X1 = k2_xtuple_0 X1) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.(((v1_instal1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge \\ ((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(m3_abcmiz_1\ X1\ X0))\Rightarrow \\ (k41_abcmiz_1\ X0\ X1 = k1_xtuple_0\ X1) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.(((v1_instal1\ X0)\wedge((v1_abcmiz_1 \\ X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ X0))))\wedge((v1_finset_1\ X2)\wedge(m1_subset_1\ X2\ (k1_zfmisc_1\ (k38_abcmiz_1 \\ X0))))))\Rightarrow(v1_finset_1\ (k63_abcmiz_1\ X0\ X1\ X2)) \end{aligned} \quad (5)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.(((v1_instal1\ X0)\wedge((v1_abcmiz_1 \\ X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ X0))))\wedge((v9_abcmiz_1\ X2\ X0)\wedge(m1_abcmiz_1\ X2\ X0\ (k12_abcmiz_1 \\ X0))))))\Rightarrow(v9_abcmiz_1\ (k56_abcmiz_1\ X0\ X1\ X2)\ X0) \end{aligned} \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.(((v1_instal1\ X0)\wedge((v1_abcmiz_1\ X0)\wedge \\ ((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(m3_abcmiz_1\ X1\ X0))\Rightarrow \\ (v1_finset_1\ (k1_xtuple_0\ X1)) \end{aligned} \quad (7)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.(((v1_instal1\ X0)\wedge((v1_abcmiz_1 \\ X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ X0))))\wedge(m3_abcmiz_1\ X2\ X0)))\Rightarrow(m3_abcmiz_1\ (k64_abcmiz_1\ X0 \\ X1\ X2)\ X0) \end{aligned} \quad (8)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.(((v1_instal1\ X0)\wedge((v1_abcmiz_1 \\ X0)\wedge((v3_abcmiz_1\ X0)\wedge(l1_msualg_1\ X0))))\wedge(((v1_funct_1\ X1)\wedge \\ (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ X0))))\wedge(m1_subset_1\ X2\ (k1_zfmisc_1\ (k38_abcmiz_1\ X0))))))\Rightarrow \\ (m1_subset_1\ (k63_abcmiz_1\ X0\ X1\ X2)\ (k1_zfmisc_1\ (k38_abcmiz_1 \\ X0))) \end{aligned} \quad (9)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (((v1_instalg1\ X0) \wedge ((v1_abcmiz_1 \\ & X0) \wedge ((v3_abcmiz_1\ X0) \wedge (l1_msualg_1\ X0)))) \wedge (((v1_funct_1\ X1) \wedge \\ & (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1 \\ & X0)))))) \wedge (m1_abcmiz_1\ X2\ X0\ (k12_abcmiz_1\ X0))) \Rightarrow (m1_abcmiz_1 \\ & (k62_abcmiz_1\ X0\ X1\ X2)\ X0\ (k12_abcmiz_1\ X0)) \end{aligned} \quad (10)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge \\ & ((v3_abcmiz_1\ X0) \wedge (l1_msualg_1\ X0)))) \wedge (m3_abcmiz_1\ X1\ X0)) \Rightarrow \\ & ((v9_abcmiz_1\ (k42_abcmiz_1\ X0\ X1)\ X0) \wedge (m1_abcmiz_1\ (k42_abcmiz_1 \\ & X0\ X1)\ X0\ (k12_abcmiz_1\ X0))) \end{aligned} \quad (11)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge \\ & ((v3_abcmiz_1\ X0) \wedge (l1_msualg_1\ X0)))) \wedge (m3_abcmiz_1\ X1\ X0)) \Rightarrow \\ & (m1_subset_1\ (k41_abcmiz_1\ X0\ X1)\ (k1_zfmisc_1\ (k38_abcmiz_1 \\ & X0))) \end{aligned} \quad (12)$$

Assume the following.

$$\begin{aligned} & \forall X0. ((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1\ X0)))) \Rightarrow (\forall X1. ((v1_funct_1\ X1) \wedge (m1_subset_1 \\ & X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1\ X0)))))) \Rightarrow \\ & (\forall X2. (m3_abcmiz_1\ X2\ X0) \Rightarrow (k64_abcmiz_1\ X0\ X1\ X2 = k40_abcmiz_1 \\ & X0\ (k63_abcmiz_1\ X0\ X1\ (k41_abcmiz_1\ X0\ X2))\ (k62_abcmiz_1\ X0\ X1 \\ & (k42_abcmiz_1\ X0\ X2)))) \end{aligned} \quad (13)$$

Theorem 1

$$\begin{aligned} & \forall X0. ((v1_instalg1\ X0) \wedge ((v1_abcmiz_1\ X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1\ X0)))) \Rightarrow (\forall X1. ((v1_funct_1\ X1) \wedge (m1_subset_1 \\ & X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k2_abcmiz_1\ (k34_abcmiz_1\ X0)))))) \Rightarrow \\ & (\forall X2. (m3_abcmiz_1\ X2\ X0) \Rightarrow ((k41_abcmiz_1\ X0\ (k64_abcmiz_1 \\ & X0\ X1\ X2) = k63_abcmiz_1\ X0\ X1\ (k41_abcmiz_1\ X0\ X2)) \wedge (k42_abcmiz_1 \\ & X0\ (k64_abcmiz_1\ X0\ X1\ X2) = k62_abcmiz_1\ X0\ X1\ (k42_abcmiz_1\ X0\ X2)))) \end{aligned}$$