

t140_abc Miz_1

(TMM5pvWb5AHbdBRDDizhxCQ1g3QYEd46Cds)

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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 $v1_xboole_0 : \iota \Rightarrow o$ 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 $r2_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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 $k55_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_partfun1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k54_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_instal\!g_1 X0) \wedge ((v1_abc\!miz_1 X0) \wedge ((v3_abc\!miz_1 \\ & X0) \wedge (l1_msual\!g_1 X0)))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & k2_abc\!miz_1)) \Rightarrow (r2_relset_1 (k3_card_3 (u3_msual\!g_1 X0 (k1_msafree3 \\ & X0 (k28_abc\!miz_1 X0)))) (k3_card_3 (u3_msual\!g_1 X0 (k1_msafree3 \\ & X0 (k28_abc\!miz_1 X0)))) (k55_abc\!miz_1 X0 (k54_abc\!miz_1 X0 X1)) \\ & (k6_partfun1 (k3_card_3 (u3_msual\!g_1 X0 (k1_msafree3 X0 (k28_abc\!miz_1 \\ & X0))))))))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.(((v1_instal\!g_1 X0) \wedge ((v1_abc\!miz_1 X0) \wedge \\ & ((v3_abc\!miz_1 X0) \wedge (l1_msual\!g_1 X0)))) \wedge ((v1_xboole_0 X1) \wedge (m1_subset_1 \\ & X1 (k1_zfmisc_1 k2_abc\!miz_1)))) \Rightarrow ((v1_xboole_0 (k54_abc\!miz_1 \\ & X0 X1)) \wedge (v1_funct_1 (k54_abc\!miz_1 X0 X1))) \end{aligned} \tag{3}$$

Assume the following.

$$\forall X0.v1_xboole_0 (k1_subset_1 X0) \tag{4}$$

Assume the following.

$$\forall X0.m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (5)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_instalg1 X0) \wedge ((v1_abcmiz_1 X0) \wedge ((v3_abcmiz_1 \\ & X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.((v1_xboole_0 X1) \wedge ((v1_funct_1 \\ & X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 k2_abcmiz_1 (k34_abcmiz_1 \\ & X0)))))) \Rightarrow (r2_relset_1 (k3_card_3 (u3_msualg_1 X0 (k1_msafree3 \\ & X0 (k28_abcmiz_1 X0)))) (k3_card_3 (u3_msualg_1 X0 (k1_msafree3 \\ & X0 (k28_abcmiz_1 X0)))) (k55_abcmiz_1 X0 X1) (k6_partfun1 (k3_card_3 \\ & (u3_msualg_1 X0 (k1_msafree3 X0 (k28_abcmiz_1 X0))))))) \end{aligned}$$