t40_abcmiz_a (TMcgYGGZ4jL4hkzW3b93uVs1ZpLvtsVuiid)

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Let $k1\_msualg\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k27\_abcmiz\_1 : \iota$ be given. Let $k14\_abcmiz\_a : \iota \Rightarrow \iota$ be given. Let $k8\_abcmiz\_a : \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_abcmiz\_a : \iota$ be given. Let $k13\_abcmiz\_a : \iota \Rightarrow \iota$ be given. Let $v2\_abcmiz\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4\_abcmiz\_a : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k20\_abcmiz\_1 : \iota$ be given. Let $v1\_msualg\_1 : \iota \Rightarrow o$ be given. Let $v1\_instalg1 : \iota \Rightarrow o$ be given. Let $v1\_abcmiz\_1 : \iota \Rightarrow o$ be given. Let $l1\_msualg\_1 : \iota \Rightarrow o$ be given. Let $u4\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $v11\_struct\_0 : \iota \Rightarrow o$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ X0\ X1) \Leftrightarrow (m1\_subset\_1\ X2\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_abcmiz\_a) \Rightarrow (k14\_abcmiz\_a\ X0 = k13\_abcmiz\_a\ X0) \tag{2}$$

Assume the following.

$$(v2\_abcmiz\_1\ (k13\_abcmiz\_a\ k8\_abcmiz\_a)\ k27\_abcmiz\_1) \wedge (v4\_abcmiz\_a\ (k13\_abcmiz\_a\ k8\_abcmiz\_a)\ k27\_abcmiz\_1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ X0\ X1) \Rightarrow (m1\_subset\_1\ X2\ X0)) \tag{4}$$

Assume the following.

$$m2\_subset\_1\ k8\_abcmiz\_a\ k20\_abcmiz\_1\ k5\_abcmiz\_a \tag{5}$$

Assume the following.

$$(\neg v1\_xboole\_0\ k5\_abcmiz\_a)\wedge(m1\_subset\_1\ k5\_abcmiz\_a\ (k1\_zfmisc\_1\ k20\_abcmiz\_1)) \tag{6}$$

Assume the following.

$$(v1\_msualg\_1\ k27\_abcmiz\_1)\wedge((v1\_instalg1\ k27\_abcmiz\_1)\wedge((v1\_abcmiz\_1\ k27\_abcmiz\_1)\wedge(l1\_msualg\_1\ k27\_abcmiz\_1))) \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k20\_abcmiz\_1)\Rightarrow((v2\_abcmiz\_1\ (k13\_abcmiz\_a\ X0)\ k27\_abcmiz\_1)\wedge(m1\_subset\_1\ (k13\_abcmiz\_a\ X0)\ (u4\_struct\_0\ k27\_abcmiz\_1))) \tag{8}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k20\_abcmiz\_1)\Rightarrow(k13\_abcmiz\_a\ X0 = X0) \tag{9}$$

Assume the following.

$$\forall X0.((\neg v11\_struct\_0\ X0)\wedge((v1\_instalg1\ X0)\wedge(l1\_msualg\_1\ X0)))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (u4\_struct\_0\ X0))\Rightarrow((v4\_abcmiz\_a\ X1\ X0)\Leftrightarrow(k1\_msualg\_1\ X0\ X1 = k1\_xboole\_0))) \tag{10}$$

Assume the following.

$$\forall X0.(l1\_msualg\_1\ X0)\Rightarrow(((v1\_instalg1\ X0)\wedge(v1\_abcmiz\_1\ X0))\Rightarrow((\neg v2\_struct\_0\ X0)\wedge((\neg v11\_struct\_0\ X0)\wedge(v1\_instalg1\ X0)))) \tag{11}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))\Rightarrow(v1\_xboole\_0\ X1)) \tag{12}$$

Theorem 1 $k1\_msualg\_1\ k27\_abcmiz\_1\ (k14\_abcmiz\_a\ k8\_abcmiz\_a) = k1\_xboole\_0$.