t8_abcmiz_0 (TMPtZXeN-zxVoa2s5mk6CRvDgUpyUBwSxxbv)

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Let $l2\_abcmiz\_0 : \iota \Rightarrow o$ be given. Let $g2\_abcmiz\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $u1\_abcmiz\_0 : \iota \Rightarrow \iota$ be given. Let $u1\_orders\_2 : \iota \Rightarrow \iota$ be given. Let $u2\_abcmiz\_0 : \iota \Rightarrow \iota$ be given. Let $u3\_abcmiz\_0 : \iota \Rightarrow \iota$ be given. Let $v8\_abcmiz\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_finsub\_1 : \iota \Rightarrow \iota$ be given. Let $l1\_abcmiz\_0 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $k2\_abcmiz\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_abcmiz\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.((m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)))\wedge(((v1\_funct\_1\ X3)\wedge((v1\_funct\_2\ X3\ X1\ X1)\wedge(m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X1\ X1)))))\wedge((v1\_funct\_1\ X4)\wedge((v1\_funct\_2\ X4\ X0\ (k5\_finsub\_1\ X1))\wedge(m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ (k5\_finsub\_1\ X1))))))))\Rightarrow(\forall X5.\forall X6.\forall X7.\forall X8.\forall X9.(g2\_abcmiz\_0\ X0\ X1\ X2\ X3\ X4 = g2\_abcmiz\_0\ X5\ X6\ X7\ X8\ X9)\Rightarrow((X0 = X5)\wedge((X1 = X6)\wedge((X2 = X7)\wedge((X3 = X8)\wedge(X4 = X9))))))) \tag{1}$$

Assume the following.

$$\forall X0.(l2\_abcmiz\_0\ X0)\Rightarrow((v1\_funct\_1\ (u3\_abcmiz\_0\ X0))\wedge((v1\_funct\_2\ (u3\_abcmiz\_0\ X0)\ (u1\_struct\_0\ X0)\ (k5\_finsub\_1\ (u1\_abcmiz\_0\ X0)))\wedge(m1\_subset\_1\ (u3\_abcmiz\_0\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (k5\_finsub\_1\ (u1\_abcmiz\_0\ X0))))))) \tag{2}$$

Assume the following.

$$\forall X0.(l1\_abcmiz\_0\ X0)\Rightarrow((v1\_funct\_1\ (u2\_abcmiz\_0\ X0))\wedge((v1\_funct\_2\ (u2\_abcmiz\_0\ X0)\ (u1\_abcmiz\_0\ X0)\ (u1\_abcmiz\_0\ X0))\wedge(m1\_subset\_1\ (u2\_abcmiz\_0\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_abcmiz\_0\ X0)\ (u1\_abcmiz\_0\ X0)))))) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (m1\_subset\_1\ (u1\_orders\_2\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0)))) \tag{4}$$

Assume the following.

$$\forall X0.(l2\_abcmiz\_0\ X0) \Rightarrow ((l1\_orders\_2\ X0) \wedge (l1\_abcmiz\_0\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.(l2\_abcmiz\_0\ X0) \Rightarrow ((v8\_abcmiz\_0\ X0) \Leftrightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (u1\_abcmiz\_0\ X0)) \Rightarrow (\neg(X2 \in k2\_abcmiz\_0\ X0\ X1) \wedge (k1\_abcmiz\_0\ X0\ X2 \in k2\_abcmiz\_0\ X0\ X1))))) \tag{6}$$

Assume the following.

$$\forall X0.(l2\_abcmiz\_0\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow (k2\_abcmiz\_0\ X0\ X1 = k1\_funct\_1\ (u3\_abcmiz\_0\ X0)\ X1)) \tag{7}$$

Assume the following.

$$\forall X0.(l1\_abcmiz\_0\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_abcmiz\_0\ X0)) \Rightarrow (k1\_abcmiz\_0\ X0\ X1 = k1\_funct\_1\ (u2\_abcmiz\_0\ X0)\ X1)) \tag{8}$$

Theorem 1

$$\forall X0.(l2\_abcmiz\_0\ X0) \Rightarrow (\forall X1.(l2\_abcmiz\_0\ X1) \Rightarrow ((g2\_abcmiz\_0\ (u1\_struct\_0\ X0)\ (u1\_abcmiz\_0\ X0)\ (u1\_orders\_2\ X0)\ (u2\_abcmiz\_0\ X0)\ (u3\_abcmiz\_0\ X0) = g2\_abcmiz\_0\ (u1\_struct\_0\ X1)\ (u1\_abcmiz\_0\ X1)\ (u1\_orders\_2\ X1)\ (u2\_abcmiz\_0\ X1)\ (u3\_abcmiz\_0\ X1)) \wedge (v8\_abcmiz\_0\ X0)) \Rightarrow (v8\_abcmiz\_0\ X1)))$$