# t26_isomichi (TMLQt-nxrGeum6X1WJmHS5iCfwr8FbUc6LF6)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_topmetr : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k3\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xxreal\_0 : \iota$ be given. Let $k1\_tops\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Let $k2\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2\_pre\_topc : \iota \Rightarrow o$ be given. Let $l1\_pre\_topc : \iota \Rightarrow o$ be given. Let $k3\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k3\_topmetr))) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow ((X0 = k2\_rcomp\_1\ k2\_xxreal\_0\ X1) \Rightarrow (k2\_pre\_topc\ k3\_topmetr\ X0 = k4\_rcomp\_1\ k2\_xxreal\_0\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (k6\_subset\_1\ (k4\_xxreal\_1\ X0\ k1\_xxreal\_0)\ (k2\_xxreal\_1\ X1\ k1\_xxreal\_0) = k4\_xxreal\_1\ X0\ X1)) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (k6\_subset\_1\ (k4\_xxreal\_1\ k2\_xxreal\_0\ X0)\ (k3\_xxreal\_1\ k2\_xxreal\_0\ X1) = k4\_xxreal\_1\ X1\ X0)) \tag{3}$$

Assume the following.

$$k1\_numbers = k4\_xxreal\_1\ k2\_xxreal\_0\ k1\_xxreal\_0 \tag{4}$$

Assume the following.

$$u1\_struct\_0\ k3\_topmetr = k1\_numbers \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1 \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0)\wedge(v1\_xreal\_0\ X1))\Rightarrow(k4\_rcomp\_1\ X0\ X1 = k3\_xxreal\_1\ X0\ X1) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xreal\_0\ X0)\wedge(v1\_xxreal\_0\ X1))\Rightarrow(k3\_rcomp\_1\ X0\ X1 = k2\_xxreal\_1\ X0\ X1) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0)\wedge(v1\_xxreal\_0\ X1))\Rightarrow(k2\_rcomp\_1\ X0\ X1 = k4\_xxreal\_1\ X0\ X1) \tag{9}$$

Assume the following.

$$v1\_xxreal\_0\ k2\_xxreal\_0 \tag{10}$$

Assume the following.

$$v1\_xxreal\_0\ k1\_xxreal\_0 \tag{11}$$

Assume the following.

$$\forall X0.\forall X1.m1\_subset\_1\ (k6\_subset\_1\ X0\ X1)\ (k1\_zfmisc\_1\ X0) \tag{12}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0)\wedge(v1\_xreal\_0\ X1))\Rightarrow(m1\_subset\_1\ (k4\_rcomp\_1\ X0\ X1)\ (k1\_zfmisc\_1\ k1\_numbers)) \tag{13}$$

Assume the following.

$$(v2\_pre\_topc\ k3\_topmetr)\wedge(l1\_pre\_topc\ k3\_topmetr) \tag{14}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))\Rightarrow(k3\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1) \tag{15}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\Rightarrow(k1\_tops\_1\ X0\ X1 = k3\_subset\_1\ (u1\_struct\_0\ X0)\ (k2\_pre\_topc\ X0\ (k3\_subset\_1\ (u1\_struct\_0\ X0)\ X1)))) \tag{16}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(v1\_xxreal\_0\ X0) \tag{17}$$

**Theorem 1**

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k3\_topmetr)))\Rightarrow(\forall X1.(v1\_xreal\_0\ X1)\Rightarrow((X0 = k3\_rcomp\_1\ X1\ k1\_xxreal\_0)\Rightarrow(k1\_tops\_1\ k3\_topmetr\ X0 = k2\_rcomp\_1\ X1\ k1\_xxreal\_0)))$$