t2_isomichi (TMWF74FFVF9WPi3Nye42abjV5CbQMbqpPGt)

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Let $v2\_pre\_topc : \iota \Rightarrow o$ be given. Let $l1\_pre\_topc : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k2\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_tops\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v4\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((v2\_pre\_topc\ X0) \wedge (l1\_pre\_topc\ X0)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow (\forall X2.\ (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow (((v4\_pre\_topc\ X1\ X0) \vee (v4\_pre\_topc\ X2\ X0)) \Rightarrow (k4\_subset\_1\ (u1\_struct\_0\ X0)\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ X1))\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ X2)) = k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ (k4\_subset\_1\ (u1\_struct\_0\ X0)\ X1\ X2))))))) \tag{1}$$

Assume the following.

$$\forall X0.((v2\_pre\_topc\ X0) \wedge (l1\_pre\_topc\ X0)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow (\forall X2.\ (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow (k2\_pre\_topc\ X0\ (k4\_subset\_1\ (u1\_struct\_0\ X0)\ X1\ X2) = k4\_subset\_1\ (u1\_struct\_0\ X0)\ (k2\_pre\_topc\ X0\ X1)\ (k2\_pre\_topc\ X0\ X2)))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(((v2\_pre\_topc\ X0) \wedge (l1\_pre\_topc\ X0)) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))) \Rightarrow (v4\_pre\_topc\ (k2\_pre\_topc\ X0\ X1)\ X0) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((l1\_pre\_topc\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))) \Rightarrow (m1\_subset\_1\ (k2\_pre\_topc\ X0\ X1)\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \tag{4}$$

Theorem 1

$$\forall X0.((v2\_pre\_topc\ X0)\wedge(l1\_pre\_topc\ X0))\Rightarrow(\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\Rightarrow(\forall X2.\ (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\Rightarrow(k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ (k4\_subset\_1\ (u1\_struct\_0\ X0)\ X1\ X2))) = k4\_subset\_1\ (u1\_struct\_0\ X0)\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ X1)))\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ X2))))))$$