t40_borsuk_1 (TMJUyfDFjBSzTKW-pNn8r33mQfV9BMi7g59R)

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Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k17\_borsuk\_1 : \iota$ be given. Let $k1\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $l1\_pre\_topc : \iota \Rightarrow o$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v1\_pre\_topc : \iota \Rightarrow o$ be given. Let $v2\_pre\_topc : \iota \Rightarrow o$ be given. Let $l1\_struct\_0 : \iota \Rightarrow o$ be given. Let $v1\_metric\_1 : \iota \Rightarrow o$ be given. Let $k8\_metric\_1 : \iota$ be given. Let $l1\_metric\_1 : \iota \Rightarrow o$ be given. Let $k3\_pcomps\_1 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_struct\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\exists X0.(l1\_pre\_topc\ X0) \wedge ((v2\_struct\_0\ X0) \wedge ((v1\_pre\_topc\ X0) \wedge (v2\_pre\_topc\ X0))) \tag{1}$$

Assume the following.

$$(\neg v2\_struct\_0\ k17\_borsuk\_1) \wedge ((v1\_pre\_topc\ k17\_borsuk\_1) \wedge (v2\_pre\_topc\ k17\_borsuk\_1)) \tag{2}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow (l1\_struct\_0\ X0) \tag{3}$$

Assume the following.

$$(v1\_metric\_1\ k8\_metric\_1) \wedge (l1\_metric\_1\ k8\_metric\_1) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_metric\_1\ X0) \Rightarrow (l1\_pre\_topc\ (k3\_pcomps\_1\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.((l1\_pre\_topc\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))) \Rightarrow ((v1\_pre\_topc\ (k1\_pre\_topc\ X0\ X1)) \wedge (m1\_pre\_topc\ (k1\_pre\_topc\ X0\ X1)\ X0)) \tag{6}$$

Assume the following.

$$l1\_pre\_topc\ k17\_borsuk\_1 \tag{7}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\Rightarrow(\forall X2.((v1\_pre\_topc\ X2)\wedge(m1\_pre\_topc\ X2\ X0))\Rightarrow((X2 = k1\_pre\_topc\ X0\ X1)\Leftrightarrow(k2\_struct\_0\ X2 = X1)))) \tag{8}$$

Assume the following.

$$\forall X0.(l1\_struct\_0\ X0)\Rightarrow(k2\_struct\_0\ X0 = u1\_struct\_0\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0)\Rightarrow((X0 = k17\_borsuk\_1)\Leftrightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k3\_pcomps\_1\ k8\_metric\_1))))\Rightarrow((X1 = k1\_rcomp\_1\ k6\_numbers\ np\_\_1)\Rightarrow(X0 = k1\_pre\_topc\ (k3\_pcomps\_1\ k8\_metric\_1)\ X1)))) \tag{10}$$

Theorem 1 $u1\_struct\_0\ k17\_borsuk\_1 = k1\_rcomp\_1\ k6\_numbers\ np\_\_1$.