t17_conlat_2 (TMcFNoyuEfSQmYS-rmJ16LLfBmNbfAxtAJ3V)

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Let $v1\_conlat\_1 : \iota \Rightarrow o$ be given. Let $v2\_conlat\_1 : \iota \Rightarrow o$ be given. Let $l1\_conlat\_1 : \iota \Rightarrow o$ be given. Let $k7\_conlat\_2 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $g1\_conlat\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1\_conlat\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $u4\_struct\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow (k3\_relset\_1\ X0\ X1\ X2 = k2\_relat\_1\ X2) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow (k2\_relat\_1\ (k2\_relat\_1\ X0) = X0) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow (\forall X3.\forall X4.\forall X5.(g1\_conlat\_1\ X0\ X1\ X2 = g1\_conlat\_1\ X3\ X4\ X5) \Rightarrow ((X0 = X3) \wedge ((X1 = X4) \wedge (X2 = X5)))) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_conlat\_1\ X0) \Rightarrow (m1\_subset\_1\ (u1\_conlat\_1\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u4\_struct\_0\ X0)))) \tag{4}$$

Assume the following.

$$\forall X0.((\neg v1\_conlat\_1\ X0) \wedge (l1\_conlat\_1\ X0)) \Rightarrow ((\neg v1\_conlat\_1\ (k7\_conlat\_2\ X0)) \wedge ((v2\_conlat\_1\ (k7\_conlat\_2\ X0)) \wedge (l1\_conlat\_1\ (k7\_conlat\_2\ X0)))) \tag{5}$$

Assume the following.

$$\forall X0.((\neg v1\_conlat\_1\ X0) \wedge (l1\_conlat\_1\ X0)) \Rightarrow (k7\_conlat\_2\ X0 = g1\_conlat\_1\ (u4\_struct\_0\ X0)\ (u1\_struct\_0\ X0)\ (k3\_relset\_1\ (u1\_struct\_0\ X0)\ (u4\_struct\_0\ X0)\ (u1\_conlat\_1\ X0))) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)))\Rightarrow(v1\_relat\_1\ X2) \tag{7}$$

Assume the following.

$$\forall X0.(l1\_conlat\_1\ X0)\Rightarrow((v2\_conlat\_1\ X0)\Rightarrow(X0 = g1\_conlat\_1\ (u1\_struct\_0\ X0)\ (u4\_struct\_0\ X0)\ (u1\_conlat\_1\ X0))) \tag{8}$$

Theorem 1

$$\forall X0.((\neg v1\_conlat\_1\ X0)\wedge((v2\_conlat\_1\ X0)\wedge(l1\_conlat\_1\ X0)))\Rightarrow(k7\_conlat\_2\ (k7\_conlat\_2\ X0) = X0)$$