t5_reloc (TMd8mMgeCGse5YK6VBaaCqytqoruktBn5SP)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_compos\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_ami\_3 : \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $k5\_compos\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_compos\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $np\_\_3 : \iota$ be given. Let $np\_\_4 : \iota$ be given. Let $np\_\_5 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_compos\_0 : \iota \Rightarrow o$ be given. Let $v2\_compos\_0 : \iota \Rightarrow o$ be given. Let $v3\_compos\_0 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $l1\_compos\_1 : \iota \Rightarrow o$ be given. Let $v5\_compos\_0 : \iota \Rightarrow o$ be given. Let $l1\_extpro\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1\_memstr\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_extpro\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge ((v1\_compos\_0\ X0) \wedge ((v2\_compos\_0\ X0) \wedge (v3\_compos\_0\ X0)))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ X0) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ X0) \Rightarrow ((\exists X3.(v7\_ordinal1\ X3) \wedge (k5\_compos\_0\ X0\ X1\ X3 = k5\_compos\_0\ X0\ X2\ X3)) \Rightarrow (X1 = X2)))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_compos\_1\ k1\_ami\_3)) \Rightarrow (\forall X1.(m2\_subset\_1\ X1\ k1\_numbers\ k5\_numbers) \Rightarrow ((\neg (k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq k6\_numbers) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq np\_\_1) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq np\_\_2) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq np\_\_3) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq np\_\_4) \wedge (k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0 \neq np\_\_5)))))) \Rightarrow (k5\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0\ X1 = X0))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ X0\ X1) \Leftrightarrow (m1\_subset\_1\ X2\ X1)) \tag{3}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{4}$$

Assume the following.

$$(\neg v1\_xboole\_0\ k4\_ordinal1) \wedge (v3\_ordinal1\ k4\_ordinal1) \tag{5}$$

Assume the following.

$$\neg v1\_xboole\_0\ k1\_numbers \tag{6}$$

Assume the following.

$$\forall X0.(l1\_compos\_1\ X0) \Rightarrow ((v1\_compos\_0\ (u1\_compos\_1\ X0)) \wedge ((v2\_compos\_0\ (u1\_compos\_1\ X0)) \wedge ((v3\_compos\_0\ (u1\_compos\_1\ X0)) \wedge (v5\_compos\_0\ (u1\_compos\_1\ X0))))) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.(l1\_extpro\_1\ X1\ X0) \Rightarrow ((l1\_memstr\_0\ X1\ X0) \wedge (l1\_compos\_1\ X1)) \tag{8}$$

Assume the following.

$$m1\_subset\_1\ k5\_numbers\ (k1\_zfmisc\_1\ k1\_numbers) \tag{9}$$

Assume the following.

$$(v1\_extpro\_1\ k1\_ami\_3\ np\_\_2) \wedge (l1\_extpro\_1\ k1\_ami\_3\ np\_\_2) \tag{10}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{11}$$

Assume the following.

$$\forall X0.(v5\_compos\_0\ X0) \Rightarrow (\neg v1\_xboole\_0\ X0) \tag{12}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_compos\_1\ k1\_ami\_3)) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_compos\_1\ k1\_ami\_3)) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ k1\_numbers\ k5\_numbers) \Rightarrow ((k5\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X0\ X2 = X1) \Rightarrow (((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq k6\_numbers) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq np\_\_1) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq np\_\_2) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq np\_\_3) \wedge ((k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq np\_\_4) \wedge (k2\_compos\_0\ (u1\_compos\_1\ k1\_ami\_3)\ X1 \neq np\_\_5)))))) \vee (X0 = X1)))))$$