t94_scmfsa_2 (TMaBGa2ipP87NFB94edHpvWQV7VjVdTpT9Q)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_compos\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_scmfsa\_2 : \iota$ be given. Let $v2\_extpro\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_3 : \iota$ be given. Let $k2\_compos\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_ami\_3 : \iota$ be given. Let $k3\_xtuple\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $l1\_compos\_1 : \iota \Rightarrow o$ 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 $v5\_compos\_0 : \iota \Rightarrow o$ 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. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_compos\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$k2\_compos\_1\ k1\_ami\_3 = k3\_xtuple\_0\ k6\_numbers\ k1\_xboole\_0\ k1\_xboole\_0 \tag{1}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_compos\_1\ k1\_scmfsa\_2)) \Rightarrow ((v2\_extpro\_1\ X0\ np\_\_3\ k1\_scmfsa\_2) \Rightarrow (X0 = k3\_xtuple\_0\ k6\_numbers\ k1\_xboole\_0\ k1\_xboole\_0)) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_compos\_1\ X0) \Rightarrow ((v1\_compos\_0\ (u1\_compos\_1\ X0)) \wedge ((v2\_compos\_0\ (u1\_compos\_1\ X0)) \wedge ((v3\_compos\_0\ (u1\_compos\_1\ X0)) \wedge (v5\_compos\_0\ (u1\_compos\_1\ X0))))) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(l1\_extpro\_1\ X1\ X0) \Rightarrow ((l1\_memstr\_0\ X1\ X0) \wedge (l1\_compos\_1\ X1)) \tag{5}$$

Assume the following.

$$(v1\_extpro\_1\ k1\_scmfsa\_2\ np\_\_3) \wedge (l1\_extpro\_1\ k1\_scmfsa\_2\ np\_\_3) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k3\_xtuple\_0\ X0\ X1\ X2 = k4\_tarski\ (k4\_tarski\ X0\ X1)\ X2 \tag{7}$$

Assume the following.

$$\forall X0.(v5\_compos\_0\ X0) \Rightarrow (k6\_compos\_0\ X0 = k3\_xtuple\_0\ k6\_numbers\ k1\_xboole\_0\ k1\_xboole\_0) \tag{8}$$

Assume the following.

$$\forall X0.(l1\_compos\_1\ X0) \Rightarrow (k2\_compos\_1\ X0 = k6\_compos\_0\ (u1\_compos\_1\ X0)) \tag{9}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_compos\_1\ k1\_scmfsa\_2)) \Rightarrow ((v2\_extpro\_1\ X0\ np\_\_3\ k1\_scmfsa\_2) \Rightarrow (X0 = k2\_compos\_1\ k1\_scmfsa\_2))$$