

# t70\_compos\_1 (TMGfRsFdLHPDHhae- BQvHN3WkoCqy5dyfnxH)

October 27, 2020

Let  $l1\_compos\_1 : \iota \Rightarrow o$  be given. Let  $k2\_compos\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_compos\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_compos\_1 : \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_compos\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $v2\_xtuple\_0 : \iota \Rightarrow o$  be given. Let  $k3\_xtuple\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  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  $k1\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k6\_compos\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (((\neg v1\_xboole\_0 X0) \wedge (v1\_compos\_0 X0)) \wedge (m1\_subset\_1 X1 X0)) \Rightarrow (k2\_compos\_0 X0 X1 = k4\_xtuple\_0 X1) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. v2\_xtuple\_0 (k3\_xtuple\_0 X0 X1 X2) \tag{3}$$

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.

$$\forall X0. (l1\_compos\_1 X0) \Rightarrow (m1\_subset\_1 (k2\_compos\_1 X0) (u1\_compos\_1 X0)) \tag{5}$$

Assume the following.

$$\forall X0. k4\_xtuple\_0 X0 = k1\_xtuple\_0 (k1\_xtuple\_0 X0) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.k4\_tarSKI X0 X1 = k2\_tarSKI (k2\_tarSKI X0 X1) (k1\_tarSKI X0) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k3\_xtuple\_0 X0 X1 X2 = k4\_tarSKI (k4\_tarSKI X0 X1) X2 \quad (8)$$

Assume the following.

$$\forall X0.(v2\_xtuple\_0 X0) \Rightarrow (\forall X1.(X1 = k4\_xtuple\_0 X0) \Leftrightarrow (\forall X2.\forall X3.\forall X4.(X0 = k3\_xtuple\_0 X2 X3 X4) \Rightarrow (X1 = X2))) \quad (9)$$

Assume the following.

$$\forall X0.(v5\_compos\_0 X0) \Rightarrow (k6\_compos\_0 X0 = k3\_xtuple\_0 k6\_numbers k1\_xboole\_0 k1\_xboole\_0) \quad (10)$$

Assume the following.

$$\forall X0.(l1\_compos\_1 X0) \Rightarrow (k2\_compos\_1 X0 = k6\_compos\_0 (u1\_compos\_1 X0)) \quad (11)$$

Assume the following.

$$\forall X0.\forall X1.k2\_tarSKI X0 X1 = k2\_tarSKI X1 X0 \quad (12)$$

Assume the following.

$$\forall X0.(v5\_compos\_0 X0) \Rightarrow (\neg v1\_xboole\_0 X0) \quad (13)$$

**Theorem 1**

$$\forall X0.(l1\_compos\_1 X0) \Rightarrow (k2\_compos\_0 (u1\_compos\_1 X0) (k2\_compos\_1 X0) = k6\_numbers)$$