

# t80\_scmpds\_2 (TMJzRuQHSbDyrM- SzcBXVdu1Y8UFp8AKEHqa)

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Let  $k2\_compos\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_scmpds\_2 : \iota$  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  $k1\_ami\_3 : \iota$  be given. Let  $l1\_compos\_1 : \iota \Rightarrow o$  be given. Let  $v1\_compos\_0 : \iota \Rightarrow o$  be given. Let  $u1\_compos\_1 : \iota \Rightarrow \iota$  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  $l1\_extpro\_1 : \iota \Rightarrow \iota \Rightarrow o$  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  $np\_2 : \iota$  be given. Let  $k6\_compos\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$k2\_compos\_1 \ k1\_ami\_3 = k3\_xtuple\_0 \ k6\_numbers \ k1\_xboole\_0 \ k1\_xboole\_0 \quad (1)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (2)$$

Assume the following.

$$\forall X0.(l1\_compos\_1 \ X0) \Rightarrow ((v1\_compos\_0 \ (u1\_compos\_1 \ X0)) \wedge ((v2\_compos\_0 \ (u1\_compos\_1 \ X0)) \wedge ((v3\_compos\_0 \ (u1\_compos\_1 \ X0)) \wedge (v5\_compos\_0 \ (u1\_compos\_1 \ X0)))))) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(l1\_extpro\_1 \ X1 \ X0) \Rightarrow ((l1\_memstr\_0 \ X1 \ X0) \wedge (l1\_compos\_1 \ X1)) \quad (4)$$

Assume the following.

$$(v1\_extpro\_1 \ k1\_scmpds\_2 \ np\_2) \wedge (l1\_extpro\_1 \ k1\_scmpds\_2 \ np\_2) \quad (5)$$

Assume the following.

$$\forall X0.(v5\_compos\_0 \ X0) \Rightarrow (k6\_compos\_0 \ X0 = k3\_xtuple\_0 \ k6\_numbers \ k1\_xboole\_0 \ k1\_xboole\_0) \quad (6)$$

Assume the following.

$$\forall X0.(l1\_compos\_1 X0) \Rightarrow (k2\_compos\_1 X0 = k6\_compos\_0 (u1\_compos\_1 X0)) \quad (7)$$

**Theorem 1**

$$k2\_compos\_1 k1\_scmpds\_2 = k3\_xtuple\_0 k6\_numbers k1\_xboole\_0 k1\_xboole\_0$$