

t3\_scmfsa.i (TMP-  
TQuodk2z9VX262N9C9SzGMhUWBM7u4Bz)

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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  $k2\_scmfsa\_i : \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_scm\_inst : \iota$  be given. Assume the following.

$$r1\_tarski \ k3\_scm\_inst \ k2\_scmfsa\_i \tag{1}$$

Assume the following.

$$k3\_xtuple\_0 \ k6\_numbers \ k1\_xboole\_0 \ k1\_xboole\_0 \in k3\_scm\_inst \tag{2}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarski \ X0 \ X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{4}$$

**Theorem 1**  $k3\_xtuple\_0 \ k6\_numbers \ k1\_xboole\_0 \ k1\_xboole\_0 \in k2\_scmfsa\_i$ .