

t13\_relat\_1

(TMKGtnM8gpg8hu5jgsLrvRbLvQaxAKEYKqH)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. r1\_tarski (k10\_xtuple\_0 (k3\_xboole\_0 X0 X1)) (k3\_xboole\_0 (k10\_xtuple\_0 X0) (k10\_xtuple\_0 X1)) \quad (1)$$

**Theorem 1**

$$\forall X0. (v1\_relat\_1 X0) \Rightarrow (\forall X1. (v1\_relat\_1 X1) \Rightarrow (r1\_tarski (k10\_xtuple\_0 (k3\_xboole\_0 X0 X1)) (k3\_xboole\_0 (k10\_xtuple\_0 X0) (k10\_xtuple\_0 X1))))$$