

t33\_xtuple\_0  
(TMGbev7anv4LRnXhrZfQ4TU9BZByU4e94By)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k11\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (r1\_tarski (k9\_xtuple\_0 X0) (k9\_xtuple\_0 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1\_tarski (k4\_xboole\_0 (k9\_xtuple\_0 X0) (k9\_xtuple\_0 X1)) (k9\_xtuple\_0 (k4\_xboole\_0 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X2)) \Rightarrow (r1\_tarski X0 X2) \quad (3)$$

Assume the following.

$$\forall X0. k11\_xtuple\_0 X0 = k9\_xtuple\_0 (k9\_xtuple\_0 X0) \quad (4)$$

**Theorem 1**

$$\forall X0. \forall X1. r1\_tarski (k4\_xboole\_0 (k11\_xtuple\_0 X0) (k11\_xtuple\_0 X1)) (k11\_xtuple\_0 (k4\_xboole\_0 X0 X1))$$