

t11\_xtuple\_0 (TMVd-  
WNM7yTbX2iPxf21Qb4BWTVkc8sFCZCD)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k12\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

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

Assume the following.

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

Assume the following.

$$\forall X0. k12\_xtuple\_0 X0 = k10\_xtuple\_0 (k9\_xtuple\_0 X0) \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (r1\_tarski (k12\_xtuple\_0 X0) (k12\_xtuple\_0 X1))$$