

l2\_xtuple\_0  
(TMcC65nV8bS5fGnTvqTy2hUc2MRFX59iwt3)

October 27, 2020

Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. (k1\_tarski X0 = k2\_tarski X1 X2) \Rightarrow (X0 = X1)$$