

l7\_grfunc\_1  
(TMULuWFBuiSi14DTRvcZoikfpqtmicETqJU)

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Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4\_tarski X0 X1 = k4\_tarski X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3)) \quad (1)$$

Assume the following.

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

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4\_tarski X0 X1 \in k1\_tarski (k4\_tarski X2 X3)) \Rightarrow ((X0 = X2) \wedge (X1 = X3))$$