

t13\_funct\_7  
(TMLX2MfJA5f9uS9rsZKXtwLBFEiztvbM1p)

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Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_funct\_4 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_partfun1 : \iota \Rightarrow \iota$  be given. Let  $k16\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k7\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \neg(r1\_xboole\_0 (k1\_tarski X0) X1) \wedge (X0 \in X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (\neg r1\_xboole\_0 X0 (k10\_xtuple\_0 (k1\_funct\_4 (k6\_partfun1 X1) (k7\_funcop\_1 X0 X2)))) \Rightarrow (X2 \in X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k16\_funcop\_1 X0 X1 = k7\_funcop\_1 (k1\_tarski X0) X1 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (4)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. \neg(X0 \neq X1) \wedge (X0 \in k10\_xtuple\_0 (k1\_funct\_4 (k6\_partfun1 X2) (k16\_funcop\_1 X0 X1)))$$