

t6\_setfam\_1  
(TML6iu4f3azza6nWcoVBbU1VBXdocJQoQfN)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k1\_setfam\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Rightarrow (r1\_tarski X1 X2)) \Rightarrow ((X0 = k1\_xboole\_0) \vee (r1\_tarski X1 (k1\_setfam\_1 X0))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (r1\_tarski (k1\_setfam\_1 X1) X0) \quad (2)$$

Assume the following.

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

**Theorem 1**

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow ((X0 = k1\_xboole\_0) \vee (r1\_tarski (k1\_setfam\_1 X1) (k1\_setfam\_1 X0)))$$