

t7\_setfam\_1 (TMUySuXBuKRYbqLBRbuwTy-  
DWJ9G6MWy9r9h)

October 27, 2020

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

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (r1\_tarski (k1\_setfam\_1 X1) X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X2)) \Rightarrow (r1\_tarski X0 X2) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. ((X0 \in X1) \wedge (r1\_tarski X0 X2)) \Rightarrow (r1\_tarski (k1\_setfam\_1 X1) X2)$$