

t11\_taxonom1  
(TMGBF7nFjJJHB3WULExuYYyH8EZKvaMzDCm)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $r1\_setfam\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k10\_eqrel\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k6\_partit1 : \iota \Rightarrow \iota$  be given. Let  $k8\_eqrel\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_partfun1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (r1\_setfam\_1 (k10\_eqrel\_1 X0) (k6\_partit1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (k6\_partit1 X0 = k1\_tarski X0) \quad (2)$$

Assume the following.

$$\forall X0. k10\_eqrel\_1 X0 = k8\_eqrel\_1 X0 (k6\_partfun1 X0) \quad (3)$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (r1\_setfam\_1 (k10\_eqrel\_1 X0) (k1\_tarski X0))$$