

t49\_setfam\_1

(TMUYtbM3KC8Wn2U8yYmL4Y9MJxEXcMasWQi)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_zfmisc\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. ((\neg v1\_xboole\_0 X0) \wedge (v1\_zfmisc\_1 X0)) \Rightarrow (\exists X1. (m1\_subset\_1 X1 X0) \wedge (X0 = k1\_tarski X1)) \quad (1)$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow ((v1\_zfmisc\_1 X0) \Leftrightarrow (\forall X1. (m1\_subset\_1 X1 X0) \Rightarrow (\forall X2. (m1\_subset\_1 X2 X0) \Rightarrow (X1 = X2)))) \quad (2)$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. \neg (X0 \neq k1\_tarski X1) \wedge (\forall X2. (m1\_subset\_1 X2 X0) \Rightarrow (X2 = X1)))$$