

t46\_subset\_1  
(TMXL9BubX6snV25TTYvWhrv3jk5as287Cfm)

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

$$\forall X0. \neg(\neg v1\_xboole\_0 X0) \wedge ((v1\_zfmisc\_1 X0) \wedge (\forall X1. X0 \neq k1\_tarSKI X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarSKI X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1\_xboole\_0 X0) \Rightarrow ((m1\_subset\_1 X1 X0) \Leftrightarrow (X1 \in X0))) \wedge ((v1\_xboole\_0 X0) \Rightarrow ((m1\_subset\_1 X1 X0) \Leftrightarrow (v1\_xboole\_0 X1))) \quad (3)$$

**Theorem 1**

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