

t12\_setwiseo  
(TMJ6ZerHiSyJFt82Z6J5Q9JcSkK9YzZK6M1)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_finsub\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow (\neg(X1 \neq k1\_xboole\_0) \wedge (\forall X2. (m1\_subset\_1 X2 X0) \Rightarrow (\neg X2 \in X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k5\_finsub\_1 X0)) \Rightarrow (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \quad (2)$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k5\_finsub\_1 X0)) \Rightarrow (\neg(X1 \neq k1\_xboole\_0) \wedge (\forall X2. (m1\_subset\_1 X2 X0) \Rightarrow (\neg X2 \in X1))))$$