

t6\_measure1  
(TMPfiv3C7Fwqp1EZz4M1dynBUFkfC69BW27)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v2\_finsub\_1 : \iota \Rightarrow o$  be given. Let  $v1\_prob\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v3\_finsub\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v3\_finsub\_1 X0) \Leftrightarrow (\forall X1.\forall X2.((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k6\_subset\_1 X1 X2 \in X0)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0))) \Rightarrow (((v2\_finsub\_1 X1) \wedge (v1\_prob\_1 X1 X0)) \Rightarrow (v3\_finsub\_1 X1)) \quad (2)$$

**Theorem 1**

$$\forall X0.\forall X1.((\neg v1\_xboole\_0 X1) \wedge ((v2\_finsub\_1 X1) \wedge ((v1\_prob\_1 X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)))))) \Rightarrow (\forall X2.\forall X3.((X2 \in X1) \wedge (X3 \in X1)) \Rightarrow (k6\_subset\_1 X2 X3 \in X1))$$