

t40\_prob\_1

(TMTMA8Bx9d4qpXTpz1L2zMkmb3HXsTFQZW1)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_prob\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v4\_prob\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_finsub\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 (k9\_setfam\_1 X0)) \wedge ((v2\_finsub\_1 (k9\_setfam\_1 X0)) \wedge ((v1\_prob\_1 (k9\_setfam\_1 X0) X0) \wedge (m1\_subset\_1 (k9\_setfam\_1 X0) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)))))) \quad (1)$$

Assume the following.

$$\forall X0. k9\_setfam\_1 X0 = k1\_zfmisc\_1 X0 \quad (2)$$

Assume the following.

$$\forall X0. v4\_prob\_1 (k1\_zfmisc\_1 X0) X0 \quad (3)$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 (k9\_setfam\_1 X0)) \wedge ((v1\_prob\_1 (k9\_setfam\_1 X0) X0) \wedge ((v4\_prob\_1 (k9\_setfam\_1 X0) X0) \wedge (m1\_subset\_1 (k9\_setfam\_1 X0) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0))))))$$