

t71_prob_3 (TMG-
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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_prob_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_setfam_1 : \iota \Rightarrow \iota$ be given. Let $v3_prob_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v2_prob_3 (k9_setfam_1 X0) X0) \wedge (v3_prob_3 (k9_setfam_1 X0) X0) \quad (1)$$

Assume the following.

$$\forall X0.m1_subset_1 (k9_setfam_1 X0) (k1_zfmisc_1 (k1_zfmisc_1 X0)) \quad (2)$$

Theorem 1

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow ((v2_prob_3 (k9_setfam_1 X0) X0) \wedge ((v3_prob_3 (k9_setfam_1 X0) X0) \wedge (m1_subset_1 (k9_setfam_1 X0) (k1_zfmisc_1 (k1_zfmisc_1 X0)))))$$