

t5_tex_2 (TM-
ZogKHqG6wrH7Y2Bg9mZ1wjBew8Yqy2Bj3)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_struct_0 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_zfmisc_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 X0) \Rightarrow (\neg (v1_subset_1 (k6_domain_1 X0 X1) X0) \wedge (v1_zfmisc_1 X0))) \quad (1)$$

Assume the following.

$$\forall X0. ((v7_struct_0 X0) \wedge (l1_struct_0 X0)) \Rightarrow (v1_zfmisc_1 (u1_struct_0 X0)) \quad (2)$$

Assume the following.

$$\forall X0. ((\neg v2_struct_0 X0) \wedge (l1_struct_0 X0)) \Rightarrow (\neg v1_xboole_0 (u1_struct_0 X0)) \quad (3)$$

Theorem 1

$$\forall X0. ((\neg v2_struct_0 X0) \wedge (l1_struct_0 X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\neg (v1_subset_1 (k6_domain_1 (u1_struct_0 X0) X1) (u1_struct_0 X0)) \wedge (v7_struct_0 X0)))$$