

t2_borsuk_4 (TM-
FAj5XgtPdSNPGwKLjCCbDapYBy3C16Fde)

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Let $v1_zfmisc_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow ((v1_zfmisc_1 X0) \Leftrightarrow (\forall X1. (m1_subset_1 X1 X0) \Rightarrow (\forall X2. (m1_subset_1 X2 X0) \Rightarrow (X1 = X2)))) \quad (1)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Rightarrow (v1_zfmisc_1 X0) \quad (2)$$

Theorem 1

$$\forall X0. (\neg v1_zfmisc_1 X0) \Rightarrow (\forall X1. \neg \forall X2. (m1_subset_1 X2 X0) \Rightarrow (X2 = X1))$$