

t4_realset1 (TM-
SRuxGZ6PL3CztMHRgtu5tpUUuh3YN6rQK)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_zfmisc_1 : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(\neg v1_zfmisc_1 X0) \Leftrightarrow (\forall X1. \neg v1_xboole_0 (k6_subset_1 X0 (k1_tarski X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k6_subset_1 X0 X1 = k4_xboole_0 X0 X1 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X1 X0)) \Rightarrow (k6_domain_1 X0 X1 = k1_tarski X1) \quad (3)$$

Assume the following.

$$\exists X0. \neg v1_zfmisc_1 X0 \quad (4)$$

Assume the following.

$$\forall X0. (\neg v1_zfmisc_1 X0) \Rightarrow (\neg v1_xboole_0 X0) \quad (5)$$

Theorem 1

$$\exists X0. (\neg v1_xboole_0 X0) \wedge (\forall X1. (m1_subset_1 X1 X0) \Rightarrow (\neg v1_xboole_0 (k6_subset_1 X0 (k6_domain_1 X0 X1))))$$