

t44_measure6

(TMcBYHkTJJR4wnxgEPcfXoniYnRfYgJBkru)

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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 $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $v4_xxreal_2 : \iota \Rightarrow o$ be given. Let $k4_seq_4 : \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $k5_seq_4 : \iota \Rightarrow \iota$ be given. Let $k4_measure6 : \iota \Rightarrow \iota$ be given. Let $v3_xxreal_2 : \iota \Rightarrow o$ be given. Let $k5_member_1 : \iota \Rightarrow \iota$ be given. Let $v1_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 k1_numbers))) \Rightarrow ((v3_xxreal_2 X0) \Rightarrow (k5_seq_4 X0 = k1_real_1 (k4_seq_4 (k4_measure6 X0)))) \tag{1}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow ((v3_xxreal_2 X0) \Leftrightarrow (v4_xxreal_2 (k4_measure6 X0))) \tag{2}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (k4_measure6 X0 = k5_member_1 X0) \tag{3}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (k4_measure6 (k4_measure6 X0) = X0) \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k1_real_1 (k1_real_1 X0) = X0) \tag{5}$$

Assume the following.

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_membered X0)) \Rightarrow ((\neg v1_xboole_0 (k5_member_1 X0)) \wedge (v1_membered (k5_member_1 X0))) \tag{6}$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow ((v1_xboole_0 (k5_member_1 X0)) \wedge (v1_membered (k5_member_1 X0))) \quad (7)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (m1_subset_1 (k4_seq_4 X0) k1_numbers) \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (m1_subset_1 (k4_measure6 X0) (k1_zfmisc_1 k1_numbers)) \quad (9)$$

Theorem 1

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 k1_numbers))) \Rightarrow ((v4_xreal_2 X0) \Rightarrow (k4_seq_4 X0 = k1_real_1 (k5_seq_4 (k4_measure6 X0))))$$