

t49_measure6
(TMG7UrvWPzi2wPfbv3bgP5AinU8vk4MtRnY)

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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 $k2_measure6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (\forall X1. \\ (v1_xreal_0 X1) \Rightarrow (k2_measure6 (k2_measure6 X0 X1) (k4_xcmplx_0 \\ X1) = X0)) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (\forall X1. \\ (m1_subset_1 X1 k1_numbers) \Rightarrow ((v4_xxreal_2 X0) \Rightarrow (v4_xxreal_2 \\ (k2_measure6 X0 X1)))) \end{aligned} \tag{3}$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow ((v1_xcmplx_0 (k4_xcmplx_0 X0)) \wedge \\ (v1_xreal_0 (k4_xcmplx_0 X0))) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.((v3_membered X0) \wedge (v1_xreal_0 X1)) \Rightarrow (m1_subset_1 \\ (k2_measure6 X0 X1) (k1_zfmisc_1 k1_numbers)) \tag{5}$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Leftrightarrow (X0 \in k1_numbers) \tag{6}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (v3_membered \\ X0) \tag{7}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers)\Rightarrow(v1_xreal_0 X0) \quad (8)$$

Theorem 1

$$\begin{aligned} &\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_numbers))\Rightarrow(\forall X1. \\ &(m1_subset_1 X1 k1_numbers)\Rightarrow((v4_xxreal_2 X0)\Leftrightarrow(v4_xxreal_2 \\ &\quad (k2_measure6 X0 X1)))) \end{aligned}$$