

l30_measure7

(TMZTzsN1eNX9BrncyD9kHHUwNTgB2Riw4Ap)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k8_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_setfam_1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. k9_setfam_1 X0 = k1_zfmisc_1 X0 \quad (1)$$

Assume the following.

$$\forall X0. \neg v1_xboole_0 (k1_zfmisc_1 X0) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 \\ X2 X0)) \Rightarrow ((v1_funct_1 (k8_funcop_1 X0 X1 X2)) \wedge (v1_funct_2 (k8_funcop_1 \\ X0 X1 X2) X1 X0) \wedge (m1_subset_1 (k8_funcop_1 X0 X1 X2) (k1_zfmisc_1 \\ (k2_zfmisc_1 X1 X0)))))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (4)$$

Theorem 1

$$\begin{aligned} (v1_funct_1 (k8_funcop_1 (k1_zfmisc_1 k1_numbers) k5_numbers \\ (k1_subset_1 k1_numbers))) \wedge (v1_funct_2 (k8_funcop_1 (k1_zfmisc_1 \\ k1_numbers) k5_numbers (k1_subset_1 k1_numbers)) k5_numbers \\ (k9_setfam_1 k1_numbers)) \wedge (m1_subset_1 (k8_funcop_1 (k1_zfmisc_1 \\ k1_numbers) k5_numbers (k1_subset_1 k1_numbers)) (k1_zfmisc_1 \\ (k2_zfmisc_1 k5_numbers (k9_setfam_1 k1_numbers)))))) \end{aligned}$$