

t5_scmfsa9a
(TMZm4XCSR3eA1uTfgYamar4knr6tiU4LGEY)

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Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k2_sf_mastr : \iota \Rightarrow \iota$ be given. Let $k1_scmfsa8a : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_compos_1 : \iota \Rightarrow \iota$ be given. Let $k1_scmfsa_2 : \iota$ be given. Let $k16_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_sf_mastr : \iota \Rightarrow \iota$ be given. Let $k11_scmfsa_2 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k1_numbers k5_numbers) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (u1_compos_1 k1_scmfsa_2)) \Rightarrow (k2_sf_mastr (k16_funcop_1 \\ & X0 X1) = k1_sf_mastr X1)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k1_numbers k5_numbers) \Rightarrow (k1_sf_mastr \\ & (k11_scmfsa_2 X0) = k1_xboole_0) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((\neg v1_xboole_0 X0) \wedge ((\neg v1_xboole_0 X1) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 X0)))) \Rightarrow (\forall X2.(m2_subset_1 \\ & X2 X0 X1) \Leftrightarrow (m1_subset_1 X2 X1)) \end{aligned} \tag{3}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{4}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{5}$$

Assume the following.

$$(\neg v1_xboole_0 k4_ordinal1) \wedge (v3_ordinal1 k4_ordinal1) \tag{6}$$

Assume the following.

$$\neg v1_xboole_0 \ k1_numbers \quad (7)$$

Assume the following.

$$m2_subset_1 \ k6_numbers \ k1_numbers \ k5_numbers \quad (8)$$

Assume the following.

$$m1_subset_1 \ k5_numbers \ (k1_zfmisc_1 \ k1_numbers) \quad (9)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k5_numbers) \Rightarrow (m1_subset_1 \ (k11_scmfsa_2 \ X0) \ (u1_compos_1 \ k1_scmfsa_2)) \quad (10)$$

Assume the following.

$$\forall X0.(m2_subset_1 \ X0 \ k1_numbers \ k5_numbers) \Rightarrow (k1_scmfsa8a \ X0 = k16_funcop_1 \ k6_numbers \ (k11_scmfsa_2 \ X0)) \quad (11)$$

Theorem 1

$$\forall X0.(m2_subset_1 \ X0 \ k1_numbers \ k5_numbers) \Rightarrow (k2_sf_mastr \ (k1_scmfsa8a \ X0) = k1_xboole_0)$$