

t3_scmfsa9a (TMNLCb-
WKnea2kSZrMMv9XQGYWfDcE8LczAf)

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Let $k2_sf_mastr : \iota \Rightarrow \iota$ be given. Let $k4_compos_1 : \iota \Rightarrow \iota$ be given. Let $k1_scmfsa_2 : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. 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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_compos_1 : \iota \Rightarrow \iota$ be given. Let $k16_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_sf_mastr : \iota \Rightarrow \iota$ be given. Let $k2_compos_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $l1_extpro_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_memstr_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_compos_1 : \iota \Rightarrow o$ be given. Let $v1_extpro_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_3 : \iota$ be given. Let $k3_afinsq_1 : \iota \Rightarrow \iota$ 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.

$$k1_sf_mastr (k2_compos_1 k1_scmfsa_2) = k1_xboole_0 \tag{2}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(l1_extpro_1 X1 X0) \Rightarrow ((l1_memstr_0 X1 X0) \wedge (l1_compos_1 X1)) \tag{4}$$

Assume the following.

$$m2_subset_1 k6_numbers k1_numbers k5_numbers \tag{5}$$

Assume the following.

$$\forall X0.(l1_compos_1 X0) \Rightarrow (m1_subset_1 (k2_compos_1 X0) (u1_compos_1 X0)) \tag{6}$$

Assume the following.

$$(v1_extpro_1\ k1_scmfsa_2\ np_3) \wedge (l1_extpro_1\ k1_scmfsa_2\ np_3) \quad (7)$$

Assume the following.

$$\forall X0. k3_afinsq_1\ X0 = k16_funcop_1\ k6_numbers\ X0 \quad (8)$$

Assume the following.

$$\forall X0. (l1_compos_1\ X0) \Rightarrow (k4_compos_1\ X0 = k3_afinsq_1\ (k2_compos_1\ X0)) \quad (9)$$

Theorem 1 $k2_sf_mastr\ (k4_compos_1\ k1_scmfsa_2) = k1_xboole_0.$