

l84_funcop_1
(TMWZbQcygiqp7r8nqDBdHcnt8tFpBj6nqaF)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k13_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarSKI : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k2_zfmisc_1 (k1_tarSKI X0) (k1_tarSKI X1) = k1_tarSKI (k4_tarSKI X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_funct_1 (k7_funcop_1 X0 X1)) \wedge ((v1_funct_2 (k7_funcop_1 X0 X1) X0 (k1_tarSKI X1)) \wedge (m1_subset_1 (k7_funcop_1 X0 X1) (k1_zfmisc_1 (k2_zfmisc_1 X0 (k1_tarSKI X1)))))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k13_funcop_1 X0 X1 X2 = k7_funcop_1 (k1_tarSKI (k4_tarSKI X0 X1)) X2 \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (v1_funct_1 (k13_funcop_1 X0 X1 X2)) \wedge ((v1_funct_2 (k13_funcop_1 X0 X1 X2) (k2_zfmisc_1 (k1_tarSKI X0) (k1_tarSKI X1)) (k1_tarSKI X2)) \wedge (m1_subset_1 (k13_funcop_1 X0 X1 X2) (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 (k1_tarSKI X0) (k1_tarSKI X1)) (k1_tarSKI X2))))))$$