

l16_realset2 (TMK- WyTU5JE9bFPVdGHRWgPEta2i4onJY6it)

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Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k13_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k7_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k9_xtuple_0 (k2_funcop_1 X0 X1) = X0) \wedge (r1_tarski (k10_xtuple_0 (k2_funcop_1 X0 X1)) (k1_tarski X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k7_funcop_1 X0 X1 = k2_funcop_1 X0 X1 \quad (2)$$

Assume the following.

$$k9_xtuple_0 (k13_funcop_1 np_1 np_1 k6_numbers) = k6_domain_1 (k2_zfmisc_1 k5_numbers k5_numbers) (k1_domain_1 k5_numbers k5_numbers np_1 np_1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k13_funcop_1 X0 X1 X2 = k7_funcop_1 (k1_tarski (k4_tarski X0 X1)) X2 \quad (4)$$

Theorem 1

$$k9_xtuple_0 (k13_funcop_1 np_1 np_1 np_1) = k6_domain_1 (k2_zfmisc_1 k5_numbers k5_numbers) (k1_domain_1 k5_numbers k5_numbers np_1 np_1)$$