l18_realset2 (TMNhX2wLT6jJpRoGZfcP8AFmrMtXvFzVYVT)

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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 $k6\_numbers : \iota$ 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 $k1\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(k9\_xtuple\_0\ (k2\_funcop\_1\ X0\ X1) = X0) \wedge (r1\_tarski\ (k10\_xtuple\_0\ (k2\_funcop\_1\ X0\ X1))\ (k1\_tarski\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.k7\_funcop\_1\ X0\ X1 = k2\_funcop\_1\ X0\ X1 \tag{2}$$

Assume the following.

$$k9\_xtuple\_0\ (k13\_funcop\_1\ k6\_numbers\ np\_\_1\ np\_\_1) = k6\_domain\_1\ (k2\_zfmisc\_1\ k5\_numbers\ k5\_numbers)\ (k1\_domain\_1\ k5\_numbers\ k5\_numbers\ k6\_numbers\ np\_\_1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k13\_funcop\_1\ X0\ X1\ X2 = k7\_funcop\_1\ (k1\_tarski\ (k4\_tarski\ X0\ X1))\ X2 \tag{4}$$

Theorem 1

$$k9\_xtuple\_0\ (k13\_funcop\_1\ k6\_numbers\ np\_\_1\ k6\_numbers) = k6\_domain\_1\ (k2\_zfmisc\_1\ k5\_numbers\ k5\_numbers)\ (k1\_domain\_1\ k5\_numbers\ k5\_numbers\ k6\_numbers\ np\_\_1)$$