l27_real_3 (TMMW-pznwJ9XDJWS1FwAnBju3J3EJpSMKkyj)

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Let $k1\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $k8\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{2}$$

Assume the following.

$$\begin{gathered}(v1\_funct\_1\ (k8\_funcop\_1\ k5\_numbers\ k5\_numbers\ k6\_numbers)) \wedge \\ ((v1\_funct\_2\ (k8\_funcop\_1\ k5\_numbers\ k5\_numbers\ k6\_numbers) \\ k5\_numbers\ k1\_numbers) \wedge (m1\_subset\_1\ (k8\_funcop\_1\ k5\_numbers \\ k5\_numbers\ k6\_numbers)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ k5\_numbers \\ k1\_numbers))))\end{gathered} \tag{3}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{4}$$

Assume the following.

$$\neg v1\_xboole\_0\ k1\_numbers \tag{5}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1 \\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow (((X1 \neq k1\_xboole\_0) \Rightarrow ((v1\_funct\_2\ X2\ X0 \\ X1) \Leftrightarrow (X0 = k1\_relset\_1\ X0\ X2))) \wedge ((X1 = k1\_xboole\_0) \Rightarrow ((v1\_funct\_2 \\ X2\ X0\ X1) \Leftrightarrow (X2 = k1\_xboole\_0))))\end{gathered} \tag{6}$$

Theorem 1

$$k1\_relset\_1\ k5\_numbers\ (k8\_funcop\_1\ k5\_numbers\ k5\_numbers\ k6\_numbers) = k5\_numbers$$