l98_ordinal6 (TMLtdqfoey3Ys56BEN2fvHUPjyXadWSrfTE)

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Let $k13\_ordinal6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k3\_ordinal5 : \iota \Rightarrow \iota$ be given. Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v4\_ordinal5 : \iota \Rightarrow o$ be given. Let $k12\_ordinal6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_xxreal\_0 : \iota \Rightarrow o$ 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 $k4\_ordinal1 : \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_ordinal1 : \iota \Rightarrow o$ be given. Let $v2\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow ((X0 \neq k1\_xboole\_0) \Rightarrow (k1\_xboole\_0 \in X0)) \tag{1}$$

Assume the following.

$$\forall X0.((v3\_ordinal1\ X0) \wedge (v4\_ordinal5\ X0)) \Rightarrow (\exists X1.\ (v3\_ordinal1\ X1) \wedge (X0 = k13\_ordinal6\ np\_\_1\ X1)) \tag{2}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (v4\_ordinal5\ (k13\_ordinal6\ np\_\_1\ X0)) \tag{3}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow (\forall X2.\ (v3\_ordinal1\ X2) \Rightarrow ((X0 \in X1) \Leftrightarrow (k12\_ordinal6\ X2\ X0 \in k12\_ordinal6\ X2\ X1)))) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\neg(X0 \in X1) \wedge ((m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X2)) \wedge (v1\_xboole\_0\ X2)) \tag{6}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0)\Rightarrow(\neg(v4\_ordinal5\ X0)\wedge(\forall X1.\ (v3\_ordinal1\ X1)\Rightarrow(X0\neq k3\_ordinal5\ X1))) \tag{7}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0)\Rightarrow(\forall X1.(v3\_ordinal1\ X1)\Rightarrow((\ X0\in X1)\Rightarrow(k3\_ordinal5\ X0\in k3\_ordinal5\ X1))) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.(X0\in X1)\Rightarrow(m1\_subset\_1\ X0\ X1) \tag{9}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1)\wedge(m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_1\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{10}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{11}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{12}$$

Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1\ X0)\wedge(v3\_ordinal1\ X1))\Rightarrow(\ k13\_ordinal6\ X0\ X1 = k12\_ordinal6\ X0\ X1) \tag{13}$$

Assume the following.

$$\exists X0.(v1\_ordinal1\ X0)\wedge((v2\_ordinal1\ X0)\wedge((v3\_ordinal1\ X0)\wedge(v4\_ordinal5\ X0))) \tag{14}$$

Assume the following.

$$\forall X0.\exists X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))\wedge(v1\_xboole\_0\ X1) \tag{15}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0)\Rightarrow((v3\_ordinal1\ (k3\_ordinal5\ X0))\wedge(v4\_ordinal5\ (k3\_ordinal5\ X0))) \tag{16}$$

Assume the following.

$$(\neg v1\_xboole\_0\ k4\_ordinal1)\wedge(v3\_ordinal1\ k4\_ordinal1) \tag{17}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{18}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (v3\_ordinal1\ (k3\_ordinal5\ X0)) \tag{19}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{20}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (v3\_ordinal1\ X0) \tag{21}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ X0) \Rightarrow (v3\_ordinal1\ X1)) \tag{22}$$

Theorem 1 $k13\_ordinal6\ np\_\_1\ k6\_numbers = k3\_ordinal5\ k6\_numbers$.