t22_abcmiz_1 (TMbK4BPKzQvTKq8KLb6FW25qL2SCqTtuwzj)

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Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_classes1 : \iota \Rightarrow \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $k1\_card\_1 : \iota \Rightarrow \iota$ be given. Let $k13\_classes2 : \iota$ be given. Let $v2\_classes1 : \iota \Rightarrow o$ be given. Let $r2\_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r2\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5\_card\_3 : \iota \Rightarrow o$ be given. Let $v1\_classes1 : \iota \Rightarrow o$ be given. Let $k9\_setfam\_1 : \iota \Rightarrow \iota$ be given. Let $v4\_card\_3 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_finset\_1\ X0) \Leftrightarrow (k1\_card\_1\ X0 \in k4\_ordinal1) \tag{1}$$

Assume the following.

$$k13\_classes2 = k4\_classes1\ k4\_ordinal1 \tag{2}$$

Assume the following.

$$v2\_classes1\ (k4\_classes1\ k4\_ordinal1) \tag{3}$$

Assume the following.

$$k1\_card\_1\ (k4\_classes1\ k4\_ordinal1) = k1\_card\_1\ k4\_ordinal1 \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(r2\_wellord2\ X0\ X1) \Leftrightarrow (k1\_card\_1\ X0 = k1\_card\_1\ X1) \tag{5}$$

Assume the following.

$$k1\_card\_1\ k4\_ordinal1 = k4\_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.(r2\_wellord2\ X0\ X1)\Leftrightarrow(r2\_tarski\ X0\ X1) \tag{8}$$

Assume the following.

$$v5\_card\_3\ k4\_ordinal1 \tag{9}$$

Assume the following.

$$\begin{gathered}\forall X0.(v2\_classes1\ X0)\Leftrightarrow((v1\_classes1\ X0)\wedge((\forall X1.\\ (X1\in X0)\Rightarrow(k9\_setfam\_1\ X1\in X0))\wedge(\forall X1.\neg(r1\_tarski\ X1\ X0)\wedge\\ ((\neg r2\_tarski\ X1\ X0)\wedge(\neg X1\in X0)))))\end{gathered} \tag{10}$$

Assume the following.

$$\forall X0.(v5\_card\_3\ X0)\Rightarrow((\neg v1\_finset\_1\ X0)\wedge(v4\_card\_3\ X0)) \tag{11}$$

Theorem 1

$$\begin{gathered}\forall X0.((v1\_finset\_1\ X0)\wedge(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (k4\_classes1\\ k4\_ordinal1))))\Rightarrow(X0\in k4\_classes1\ k4\_ordinal1)\end{gathered}$$