t4_neckla_3 (TMc1fZ64YB1nB142Wms2ERmbBtNPuHaHemQ)

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Let $v1\_zfmisc\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\neg(X0 \in X1) \wedge (v1\_xboole\_0\ X1) \tag{1}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.\forall X2.\forall X3.(m1\_subset\_1\ X3\ (\\ k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X1\ X2))) \Rightarrow (\neg(X0 \in X3) \wedge (\forall X4.\forall X5.\\ \neg(X0 = k4\_tarski\ X4\ X5) \wedge ((X4 \in X1) \wedge (X5 \in X2))))\end{gathered} \tag{2}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.(v1\_zfmisc\_1\ X1) \Rightarrow ((X0 \in X1) \Rightarrow (X1 = k1\_tarski\\ X0))\end{gathered} \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Leftrightarrow (\forall X1.\neg X1 \in X0) \tag{4}$$

Assume the following.

$$\begin{gathered}\forall X0.(v1\_zfmisc\_1\ X0) \Leftrightarrow (\forall X1.\forall X2.((X1 \in X0) \wedge\\ (X2 \in X0)) \Rightarrow (X1 = X2))\end{gathered} \tag{5}$$

Theorem 1

$$\begin{gathered}\forall X0.(v1\_zfmisc\_1\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\\ (k2\_zfmisc\_1\ X0\ X0))) \Rightarrow (\neg(\neg v1\_xboole\_0\ X1) \wedge (\forall X2.X1 \neq k1\_tarski\\ (k4\_tarski\ X2\ X2))))\end{gathered}$$