t88_zf_lang (TMRpzXWZYZ-GRD8ne4a63ziW6AhMJNhZi1SE)

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Let $v1\_zf\_lang : \iota \Rightarrow o$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v6\_zf\_lang : \iota \Rightarrow o$ be given. Let $k29\_zf\_lang : \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k24\_zf\_lang : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zf\_lang : \iota$ be given. Let $k8\_zf\_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k23\_zf\_lang : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k5\_numbers\ k1\_zf\_lang) \Rightarrow (\forall X1.\ ((v1\_zf\_lang\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \Rightarrow (k29\_zf\_lang\ (k8\_zf\_lang\ X0\ X1) = k2\_xboole\_0\ (k29\_zf\_lang\ X1)\ (k1\_tarski\ (k8\_zf\_lang\ X0\ X1)))) \tag{1}$$

Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k5\_numbers\ k1\_zf\_lang) \Rightarrow (\forall X1.\ ((v1\_zf\_lang\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \Rightarrow (\forall X2.(\ (v1\_zf\_lang\ X2) \wedge (m2\_finseq\_1\ X2\ k5\_numbers)) \Rightarrow ((v6\_zf\_lang\ X1) \Rightarrow ((\neg(X0 = k23\_zf\_lang\ X1) \wedge (\forall X3.((v1\_zf\_lang\ X3) \wedge (m2\_finseq\_1\ X3\ k5\_numbers)) \Rightarrow (k8\_zf\_lang\ X0\ X3 \neq X1))) \wedge (((\exists X3.((v1\_zf\_lang\ X3) \wedge (m2\_finseq\_1\ X3\ k5\_numbers)) \wedge (k8\_zf\_lang\ X0\ X3 = X1)) \Rightarrow (X0 = k23\_zf\_lang\ X1)) \wedge ((\neg(X2 = k24\_zf\_lang\ X1) \wedge (\forall X3.(m2\_subset\_1\ X3\ k5\_numbers\ k1\_zf\_lang) \Rightarrow (k8\_zf\_lang\ X3\ X2 \neq X1))) \wedge ((\exists X3.\ (m2\_subset\_1\ X3\ k5\_numbers\ k1\_zf\_lang) \wedge (k8\_zf\_lang\ X3\ X2 = X1)) \Rightarrow (X2 = k24\_zf\_lang\ X1)))))))) \tag{2}$$

Assume the following.

$$\forall X0.((v1\_zf\_lang\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v6\_zf\_lang\ X0) \Leftrightarrow (\exists X1.(m2\_subset\_1\ X1\ k5\_numbers\ k1\_zf\_lang) \wedge (\exists X2.((v1\_zf\_lang\ X2) \wedge (m2\_finseq\_1\ X2\ k5\_numbers)) \wedge (X0 = k8\_zf\_lang\ X1\ X2)))) \tag{3}$$

Theorem 1

$$\forall X0.((v1\_zf\_lang\ X0)\wedge(m2\_finseq\_1\ X0\ k5\_numbers))\Rightarrow((v6\_zf\_lang\ X0)\Rightarrow(k29\_zf\_lang\ X0 = k2\_xboole\_0\ (k29\_zf\_lang\ (k24\_zf\_lang\ X0))\ (k1\_tarski\ X0)))$$