t24_zf_lang (TMNpSZ579HWnLo7J82Rf9p4yrpnYvecPMsS)

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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 $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $v2\_zf\_lang : \iota \Rightarrow o$ be given. Let $v3\_zf\_lang : \iota \Rightarrow o$ be given. Let $v4\_zf\_lang : \iota \Rightarrow o$ be given. Let $np\_\_2 : \iota$ be given. Let $v5\_zf\_lang : \iota \Rightarrow o$ be given. Let $np\_\_3 : \iota$ be given. Let $v6\_zf\_lang : \iota \Rightarrow o$ be given. Let $np\_\_4 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.((v1\_zf\_lang\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow (\neg (\neg (v2\_zf\_lang\ X0) \wedge (k1\_funct\_1\ X0\ np\_\_1 = k6\_numbers)) \wedge ((\neg (v3\_zf\_lang\ X0) \wedge (k1\_funct\_1\ X0\ np\_\_1 = np\_\_1)) \wedge ((\neg (v4\_zf\_lang\ X0) \wedge (k1\_funct\_1\ X0\ np\_\_1 = np\_\_2)) \wedge ((\neg (v5\_zf\_lang\ X0) \wedge (k1\_funct\_1\ X0\ np\_\_1 = np\_\_3)) \wedge (\neg (v6\_zf\_lang\ X0) \wedge (k1\_funct\_1\ X0\ np\_\_1 = np\_\_4))))))) \tag{1}$$

Assume the following.

$$\neg v1\_xboole\_0\ np\_\_4 \tag{2}$$

Assume the following.

$$\neg v1\_xboole\_0\ np\_\_3 \tag{3}$$

Assume the following.

$$\neg v1\_xboole\_0\ np\_\_2 \tag{4}$$

Assume the following.

$$\neg v1\_xboole\_0\ np\_\_1 \tag{5}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{6}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{7}$$

Theorem 1

$$\forall X0.((v1\_zf\_lang\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((k1\_funct\_1\ X0\ np\_\_1 = k6\_numbers) \Rightarrow (v2\_zf\_lang\ X0))$$