

# t28\_zf\_lang (TMM- jeq9n4JUgLaUSPSjMPYXDCvLpNMJtaw4)

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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  $np\_4 : \iota$  be given. Let  $v6\_zf\_lang : \iota \Rightarrow o$  be given. Let  $v2\_zf\_lang : \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  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  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Assume the following.

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

Assume the following.

$$\neg v1\_xboole\_0 np\_4 \quad (2)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (3)$$

Assume the following.

$$v1\_xboole\_0 k1\_xboole\_0 \quad (4)$$

## Theorem 1

$$\forall X0. ((v1\_zf\_lang X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ((k1\_funct\_1 X0 np\_1 = np\_4) \Rightarrow (v6\_zf\_lang X0))$$