

# t8\_zf\_model (TMVhVPfPFrwboamzRL- GJx9iU4KnXX7Sq8H6)

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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  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v3\_zf\_lang : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zf\_lang : \iota$  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  $k3\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k18\_zf\_lang : \iota \Rightarrow \iota$  be given. Let  $k19\_zf\_lang : \iota \Rightarrow \iota$  be given. Let  $k5\_zf\_model : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_zf\_lang : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $m1\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned}
& \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m2\_subset\_1 X1 k5\_numbers \\
& k1\_zf\_lang) \Rightarrow (\forall X2. (m2\_subset\_1 X2 k5\_numbers k1\_zf\_lang) \Rightarrow \\
& (\forall X3. ((v1\_funct\_1 X3) \wedge ((v1\_funct\_2 X3 k1\_zf\_lang X0) \wedge \\
& (m1\_subset\_1 X3 (k1\_zfmisc\_1 (k2\_zfmisc\_1 k1\_zf\_lang X0)))))) \Rightarrow \\
& ((k3\_funct\_2 k1\_zf\_lang X0 X3 X1 \in k3\_funct\_2 k1\_zf\_lang X0 X3 X2) \Leftrightarrow \\
& (X3 \in k5\_zf\_model (k5\_zf\_lang X1 X2) X0))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. ((v1\_zf\_lang X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ((v3\_zf\_lang X0) \Rightarrow (X0 = k5\_zf\_lang (k18\_zf\_lang X0) (k19\_zf\_lang X0))) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (m2\_finseq\_1 X1 X0) \Leftrightarrow (m1\_finseq\_1 X1 X0) \tag{3}$$

Assume the following.

$$\forall X0. ((v1\_zf\_lang X0) \wedge (m1\_finseq\_1 X0 k5\_numbers)) \Rightarrow (m2\_subset\_1 (k19\_zf\_lang X0) k5\_numbers k1\_zf\_lang) \tag{4}$$

Assume the following.

$$\forall X0. ((v1\_zf\_lang X0) \wedge (m1\_finseq\_1 X0 k5\_numbers)) \Rightarrow (m2\_subset\_1 (k18\_zf\_lang X0) k5\_numbers k1\_zf\_lang) \tag{5}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.((v1\_zf\_lang X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow (\forall X1. \\ & (\neg v1\_xboole\_0 X1) \Rightarrow ((v3\_zf\_lang X0) \Rightarrow (\forall X2.((v1\_funct\_1 \\ & X2) \wedge ((v1\_funct\_2 X2 k1\_zf\_lang X1) \wedge (m1\_subset\_1 X2 (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 k1\_zf\_lang X1)))))) \Rightarrow ((k3\_funct\_2 k1\_zf\_lang X1 X2 \\ & (k18\_zf\_lang X0) \in k3\_funct\_2 k1\_zf\_lang X1 X2 (k19\_zf\_lang X0)) \Leftrightarrow \\ & (X2 \in k5\_zf\_model X0 X1)))))) \end{aligned}$$