

t102_zf_lang1

(TMYaMe83xAFBNsF5yDBxGP7AkmCRqxGwSoo)

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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 $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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 $r1_zf_model : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k11_zf_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. ((v1_funct_1 X1) \wedge \\
 & (v1_funct_2 X1 k1_zf_lang X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\
 & k1_zf_lang X0)))) \Rightarrow (\forall X2. ((v1_zf_lang X2) \wedge (m2_finseq_1 \\
 & X2 k5_numbers)) \Rightarrow (\forall X3. ((v1_zf_lang X3) \wedge (m2_finseq_1 X3 \\
 & k5_numbers)) \Rightarrow ((r1_zf_model X0 X1 (k11_zf_lang X2 X3)) \Leftrightarrow ((r1_zf_model \\
 & X0 X1 X2) \Rightarrow (r1_zf_model X0 X1 X3))))))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0. ((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\forall X1. \\
 & ((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow (\forall X2. (\\
 & (v1_zf_lang X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow (\forall X3. (\neg \\
 & v1_xboole_0 X3) \Rightarrow (\forall X4. ((v1_funct_1 X4) \wedge ((v1_funct_2 X4 \\
 & k1_zf_lang X3) \wedge (m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 k1_zf_lang \\
 & X3)))) \Rightarrow (((r1_zf_model X3 X4 (k11_zf_lang X0 X1)) \wedge (r1_zf_model \\
 & X3 X4 (k11_zf_lang X1 X2))) \Rightarrow (r1_zf_model X3 X4 (k11_zf_lang X0 X2))))))
 \end{aligned}$$