

t1_zfrefle1

(TMKVL98qvDT2UnQKTqf4v4GQ45VpSCtNL1B)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Let $k9_zf_lang : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_zf_lang : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $r2_zf_model : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. v1_xboole_0 (k1_subset_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (k1_zfmisc_1 \\ k9_zf_lang)) \Rightarrow ((r1_zfrefle1 X0 X1) \Leftrightarrow (\forall X2. ((v1_zf_lang \\ X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow ((X2 \in X1) \Rightarrow (r2_zf_model X0 X2)))))) \end{aligned} \quad (4)$$

Theorem 1

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (r1_zfrefle1 X0 (k1_subset_1 k9_zf_lang))$$