

l44_matrixr2 (TMXyCG- bKFZk5stmFfUMjQt3UNzw3x88rv8u)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k1_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $v3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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 $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. (v7_ordinal1\ X0) \Rightarrow & ((v1_funct_1\ (k1_finseq_2\ X0)) \wedge \\ & ((v1_funct_2\ (k1_finseq_2\ X0)\ (k2_finseq_1\ X0)\ (k2_finseq_1\ X0)) \wedge \\ & ((v3_funct_2\ (k1_finseq_2\ X0)\ (k2_finseq_1\ X0)\ (k2_finseq_1\ X0)) \wedge \\ & (m1_subset_1\ (k1_finseq_2\ X0)\ (k1_zfmisc_1\ (k2_zfmisc_1\ (k2_finseq_1 \\ & \quad X0)\ (k2_finseq_1\ X0)))))) \end{aligned} \tag{1}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{2}$$

Assume the following.

$$\begin{aligned} (v1_relat_1\ (k1_finseq_2\ k6_numbers)) \wedge & ((v1_funct_1\ (k1_finseq_2 \\ & k6_numbers)) \wedge ((v1_xboole_0\ (k1_finseq_2\ k6_numbers)) \wedge (v1_finseq_1 \\ & \quad (k1_finseq_2\ k6_numbers)))) \end{aligned} \tag{3}$$

Assume the following.

$$v1_xboole_0\ k1_xboole_0 \tag{4}$$

Assume the following.

$$\forall X0. (v1_xboole_0\ X0) \Rightarrow (v7_ordinal1\ X0) \tag{5}$$

Theorem 1

$$\begin{aligned} & (v1_funct_1 (k1_finseq_2 k6_numbers)) \wedge ((v1_funct_2 (k1_finseq_2 \\ & k6_numbers) (k2_finseq_1 k6_numbers) (k2_finseq_1 k6_numbers)) \wedge \\ & ((v3_funct_2 (k1_finseq_2 k6_numbers) (k2_finseq_1 k6_numbers) \\ & (k2_finseq_1 k6_numbers)) \wedge (m1_subset_1 (k1_finseq_2 k6_numbers) \\ & (k1_zfmisc_1 (k2_zfmisc_1 (k2_finseq_1 k6_numbers) (k2_finseq_1 \\ & k6_numbers)))))) \end{aligned}$$