

l5_fdifff_1

(TMYKQbCmvhTpZ6ArRRSzcbox32SQYFaSEWcx)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k8_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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 $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k2_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (\neg v1_xboole_0 X1) \Rightarrow (\forall X2. (m1_subset_1 X2 X1) \Rightarrow ((v1_funct_1 (k8_funcop_1 X1 X0 X2)) \wedge ((v1_funct_2 (k8_funcop_1 X1 X0 X2) X0 X1) \wedge (m1_subset_1 (k8_funcop_1 X1 X0 X2) (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))))))) \quad (1)$$

Assume the following.

$$m1_subset_1 k1_xboole_0 k4_ordinal1 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X2 X0)) \Rightarrow (k8_funcop_1 X0 X1 X2 = k2_funcop_1 X1 X2) \quad (3)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (4)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (5)$$

Assume the following.

$$m1_subset_1 k6_numbers k1_numbers \quad (6)$$

Assume the following.

$$(\neg v1_xboole_0 k4_ordinal1) \wedge (v3_ordinal1 k4_ordinal1) \quad (7)$$

Assume the following.

$$\neg v1_xboole_0 \ k1_numbers \tag{8}$$

Theorem 1

$$\begin{aligned} & (v1_funct_1 \ (k8_funcop_1 \ k5_numbers \ k1_numbers \ k6_numbers)) \wedge \\ & ((v1_funct_2 \ (k8_funcop_1 \ k5_numbers \ k1_numbers \ k6_numbers) \\ & k1_numbers \ k1_numbers) \wedge (m1_subset_1 \ (k8_funcop_1 \ k5_numbers \\ & k1_numbers \ k6_numbers) \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ k1_numbers \\ & k1_numbers)))) \end{aligned}$$