

l3_jgraph_8

(TMN1cywvGeJ5Q7RCx6EXdnKqsfpfxYXTqU9)

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Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k7_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v5_valued_0 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v1_xboole_0 X1) \wedge \\ (m1_subset_1 X1 (k1_zfmisc_1 X0)))) \Rightarrow (\forall X2. (m2_subset_1 \\ X2 X0 X1) \Leftrightarrow (m1_subset_1 X2 X1)) \end{aligned} \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. (m2_finseq_1 X0 k1_numbers) \Rightarrow ((\forall X1. (m2_subset_1 \\ X1 k1_numbers k5_numbers) \Rightarrow (\neg (r1_xreal_0 np_1 X1) \wedge ((\neg r1_xreal_0 \\ (k3_finseq_1 X0) X1) \wedge (r1_xreal_0 (k7_partfun1 k1_numbers X0 \\ (k2_nat_1 X1 np_1)) (k7_partfun1 k1_numbers X0 X1)))))) \Rightarrow (v5_valued_0 \\ X0)) \end{aligned} \quad (3)$$

Assume the following.

$$(\neg v1_xboole_0 k4_ordinal1) \wedge (v3_ordinal1 k4_ordinal1) \quad (4)$$

Assume the following.

$$m1_subset_1 k5_numbers (k1_zfmisc_1 k1_numbers) \quad (5)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (k1_zfmisc_1 \\ X0)) \Rightarrow (v1_xboole_0 X1)) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow ((\forall X1.(m1_subset_1 \\ & X1 k5_numbers) \Rightarrow (\neg(r1_xreal_0 np_1 X1) \wedge ((\neg r1_xreal_0 (k3_finseq_1 \\ & X0) X1) \wedge (r1_xreal_0 (k7_partfun1 k1_numbers X0 (k2_nat_1 X1 np_1)) \\ & (k7_partfun1 k1_numbers X0 X1)))))) \Rightarrow (v5_valued_0 X0)) \end{aligned}$$