

l40_binop_2

(TMVyEaRgMaQSM1EJsebbB7YZidkoxocP1aX)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k4_numbers : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \end{aligned} \quad (2)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. (X0 = k4_numbers) \Leftrightarrow (\forall X1. (X1 \in X0) \Leftrightarrow (\neg \forall X2. \\ & (m2_subset_1 X2 k1_numbers k5_numbers) \Rightarrow ((X1 \neq X2) \wedge (X1 \neq k1_real_1 \\ & X2)))) \end{aligned} \quad (4)$$

Theorem 1 $m1_subset_1 np_1 k4_numbers$.