

t8_wsierp_1
(TMMX3xTGkUbFfkos32y1myHfg1uutgjeWVe)

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Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $k3_int_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_int_2 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k6_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_0 : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k16_complex1 : \iota \Rightarrow \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k6_nat_d X0 k6_numbers = X0) \quad (2)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k6_nat_d X0 np_1 = np_1) \quad (3)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow (k3_int_2 X0 X1 = k3_int_2 (k1_int_2 X0) (k1_int_2 X1))) \quad (4)$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (5)$$

Assume the following.

$$(m2_subset_1 np_0 k1_numbers k5_numbers) \wedge ((m1_subset_1 np_0 k5_numbers) \wedge (m1_subset_1 np_0 k1_numbers)) \quad (6)$$

Assume the following.

$$v1_xboole_0 np_0 \quad (7)$$

Assume the following.

$$r1_xreal_0 \ np_0 \ np_1 \tag{8}$$

Assume the following.

$$r1_xreal_0 \ np_0 \ np_0 \tag{9}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{10}$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 \ X0) \wedge (v7_ordinal1 \ X1)) \Rightarrow (k6_nat_d \ X0 \ X1 = k3_int_2 \ X0 \ X1) \tag{11}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{12}$$

Assume the following.

$$\forall X0. (v1_int_1 \ X0) \Rightarrow (k1_int_2 \ X0 = k16_complex1 \ X0) \tag{13}$$

Assume the following.

$$\forall X0. (v1_int_1 \ X0) \Rightarrow (m1_subset_1 \ (k1_int_2 \ X0) \ k5_numbers) \tag{14}$$

Assume the following.

$$\forall X0. (v1_xreal_0 \ X0) \Rightarrow (((r1_xreal_0 \ k6_numbers \ X0) \Rightarrow (k16_complex1 \ X0 = X0)) \wedge ((\neg r1_xreal_0 \ k6_numbers \ X0) \Rightarrow (k16_complex1 \ X0 = k4_xcmplx_0 \ X0))) \tag{15}$$

Assume the following.

$$\forall X0. \forall X1. ((v1_int_1 \ X0) \wedge (v1_int_1 \ X1)) \Rightarrow (k3_int_2 \ X0 \ X1 = k3_int_2 \ X1 \ X0) \tag{16}$$

Assume the following.

$$\forall X0. (m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \tag{17}$$

Assume the following.

$$\forall X0. (v1_xboole_0 \ X0) \Rightarrow (v7_ordinal1 \ X0) \tag{18}$$

Assume the following.

$$\forall X0. (v7_ordinal1 \ X0) \Rightarrow (v1_int_1 \ X0) \tag{19}$$

Assume the following.

$$\forall X0. (m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (v1_xreal_0 \ X0) \tag{20}$$

Theorem 1

$$\forall X0. (v1_int_1 \ X0) \Rightarrow ((k3_int_2 \ k6_numbers \ X0 = k1_int_2 \ X0) \wedge (k3_int_2 \ np_1 \ X0 = np_1))$$