

t3_gr_cy_3
(TMKjHBHYbE6216AvDxrvjh1uYLP7iEecPU5)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_int_2 : \iota \Rightarrow o$ be given. Let $v1_gr_cy_3 : \iota \Rightarrow o$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ 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 $v1_abian : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_5 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_moebius1 : \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $np_0 : \iota$ be given. Assume the following.

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

Assume the following.

$$\neg v1_abian \ np_1 \quad (2)$$

Assume the following.

$$\forall X0.((v7_ordinal1 X0) \wedge ((v1_int_2 X0) \wedge (v1_gr_cy_3 X0))) \Rightarrow (r1_xxreal_0 \ np_5 X0) \quad (3)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg(r1_xxreal_0 X0 \ np_2) \wedge ((X0 \neq k6_numbers) \wedge ((X0 \neq np_1) \wedge (X0 \neq np_2)))) \quad (4)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((\neg v1_abian X0) \Leftrightarrow (k4_nat_d X0 \ np_2 = np_1)) \quad (5)$$

Assume the following.

$$v1_moebius1 \ k6_numbers \quad (6)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((r1_xxreal_0 X0 X1) \wedge (r1_xxreal_0 X1 X0)) \Rightarrow (X0 = X1)) \quad (7)$$

Assume the following.

$$m1_subset_1 \ k1_xboole_0 \ k4_ordinal1 \quad (8)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow (\neg(\neg r1_xxreal_0 \ X0 \ np_2) \wedge ((v1_int_2 \ X0) \wedge (v1_abian \ X0))) \quad (9)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow ((k4_nat_d \ X0 \ np_2 = k6_numbers) \vee (k4_nat_d \ X0 \ np_2 = np_1)) \quad (10)$$

Assume the following.

$$((v2_xxreal_0 \ np_5) \wedge (m2_subset_1 \ np_5 \ k1_numbers \ k5_numbers)) \wedge ((m1_subset_1 \ np_5 \ k5_numbers) \wedge (m1_subset_1 \ np_5 \ k1_numbers)) \quad (11)$$

Assume the following.

$$((v2_xxreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \quad (12)$$

Assume the following.

$$v1_xboole_0 \ np_0 \quad (13)$$

Assume the following.

$$r1_xxreal_0 \ np_2 \ np_5 \quad (14)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (15)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (16)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \quad (17)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow (v1_xxreal_0 \ X0) \quad (18)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (v1_xxreal_0 \ X0) \quad (19)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k5_numbers) \Rightarrow ((v1_int_2 \ X0) \Rightarrow (\neg v1_moebius1 \ X0)) \quad (20)$$

Theorem 1

$$\forall X0.((v7_ordinal1 \ X0) \wedge ((v1_int_2 \ X0) \wedge (v1_gr_cy_3 \ X0))) \Rightarrow (k4_nat_d \ X0 \ np_2 = np_1)$$