

l74_pepin

(TMHz2imH3MQnF8z6xoBSAYq7RTUBLjsvWb6)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_abian : \iota \Rightarrow o$ be given. Let $k4_pepin : \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_2 : \iota$ be given. Let $k7_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ 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 $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $np_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg r1_xxreal_0 (k4_pepin X0) np_2) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (k7_nat_d (k2_xcmplx_0 X0 X1) X1 = X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((v1_abian X0) \Leftrightarrow (k4_nat_d X0 np_2 = k6_numbers)) \quad (3)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg (v1_abian X0) \wedge (v1_abian (k1_nat_1 X0 np_1))) \quad (4)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((\neg r1_xxreal_0 np_1 X0) \Rightarrow (X0 = k6_numbers)) \quad (5)$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (6)$$

Assume the following.

$$v1_xboole_0 \text{ } np_0 \quad (7)$$

Assume the following.

$$\forall X0 : \iota \Rightarrow o. ((X0 \text{ } k6_numbers) \wedge (\forall X1. (v7_ordinal1 \text{ } X1) \Rightarrow ((X0 \text{ } X1) \Rightarrow (X0 \text{ } (k1_nat_1 \text{ } X1 \text{ } np_1)))))) \Rightarrow (\forall X1. (v7_ordinal1 \text{ } X1) \Rightarrow (X0 \text{ } X1)) \quad (8)$$

Assume the following.

$$\neg r1_xxreal_0 \text{ } np_1 \text{ } np_0 \quad (9)$$

Assume the following.

$$r1_xxreal_0 \text{ } np_0 \text{ } np_2 \quad (10)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (11)$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 \text{ } X0) \wedge (m1_subset_1 \text{ } X1 \text{ } k5_numbers)) \Rightarrow (k1_nat_1 \text{ } X0 \text{ } X1 = k2_xcmplx_0 \text{ } X0 \text{ } X1) \quad (12)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \text{ } X0) \Rightarrow (k4_nat_d \text{ } (k7_nat_d \text{ } (k4_pepin \text{ } X0) \text{ } np_1) \text{ } np_2 = k6_numbers) \quad (13)$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 \text{ } X0) \wedge (v7_ordinal1 \text{ } X1)) \Rightarrow (m1_subset_1 \text{ } (k7_nat_d \text{ } X0 \text{ } X1) \text{ } k5_numbers) \quad (14)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \text{ } X0) \Rightarrow (m1_subset_1 \text{ } (k4_pepin \text{ } X0) \text{ } k5_numbers) \quad (15)$$

Assume the following.

$$\forall X0. (m1_subset_1 \text{ } X0 \text{ } k4_ordinal1) \Rightarrow (v7_ordinal1 \text{ } X0) \quad (16)$$

Assume the following.

$$\forall X0. (v1_xboole_0 \text{ } X0) \Rightarrow (v7_ordinal1 \text{ } X0) \quad (17)$$

Theorem 1 $\forall X0. (v7_ordinal1 \text{ } X0) \Rightarrow (\neg v1_abian \text{ } (k4_pepin \text{ } X0)).$