

t51_pepin
(TMM8k3cz3aZziaGtfME8d2PVXi4o4CjuMcK)

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Let $k4_pepin : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_5 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $np_4 : \iota$ 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 $np_2 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k2_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow (k1_newton X1 (k1_nat_1 X0 np_1) = k3_xcmplx_0 (k1_newton X1 X0) X1)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k1_newton X0 np_1 = X0) \quad (2)$$

Assume the following.

$$((v2_xxreal_0 np_4) \wedge (m2_subset_1 np_4 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_4 k5_numbers) \wedge (m1_subset_1 np_4 k1_numbers)) \quad (3)$$

Assume the following.

$$((v2_xxreal_0 np_2) \wedge (m2_subset_1 np_2 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_2 k5_numbers) \wedge (m1_subset_1 np_2 k1_numbers)) \quad (4)$$

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.

$$k3_xcmplx_0 np_2 np_2 = np_4 \quad (6)$$

Assume the following.

$$k2_xcmplx_0 \text{ } np_4 \text{ } np_1 = np_5 \quad (7)$$

Assume the following.

$$k2_xcmplx_0 \text{ } np_1 \text{ } np_1 = np_2 \quad (8)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (9)$$

Assume the following.

$$\forall X0. \forall X1. ((m1_subset_1 \text{ } X0 \text{ } k1_numbers) \wedge (v7_ordinal1 \text{ } X1)) \Rightarrow (k2_newton \text{ } X0 \text{ } X1 = k1_newton \text{ } X0 \text{ } X1) \quad (10)$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 \text{ } X0) \wedge (m1_subset_1 \text{ } X1 \text{ } k5_numbers)) \Rightarrow (k1_nat_1 \text{ } X0 \text{ } X1 = k2_xcmplx_0 \text{ } X0 \text{ } X1) \quad (11)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \text{ } X0) \Rightarrow (k4_pepin \text{ } X0 = k1_nat_1 (k2_newton \text{ } np_2 (k2_newton \text{ } np_2 \text{ } X0)) \text{ } np_1) \quad (12)$$

Assume the following.

$$\forall X0. (m1_subset_1 \text{ } X0 \text{ } k4_ordinal1) \Rightarrow (v7_ordinal1 \text{ } X0) \quad (13)$$

Assume the following.

$$\forall X0. (v1_xreal_0 \text{ } X0) \Rightarrow (v1_xcmplx_0 \text{ } X0) \quad (14)$$

Assume the following.

$$\forall X0. (m1_subset_1 \text{ } X0 \text{ } k1_numbers) \Rightarrow (v1_xreal_0 \text{ } X0) \quad (15)$$

Theorem 1 $k4_pepin \text{ } np_1 = np_5$.