

t36_pepin (TMd-
KYRknNR5Qx2zQwAq41N5TTs6kBoaSsq1)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((\\ \neg(\neg(X0 = k6_numbers) \wedge (X1 \neq k6_numbers)) \wedge (k1_newton X0 X1 = k6_numbers)) \wedge \\ (\neg(k1_newton X0 X1 \neq k6_numbers) \wedge ((X0 = k6_numbers) \wedge (X1 \neq k6_numbers)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((\\ X0 \in X1) \Leftrightarrow (\neg r1_xxreal_0 X1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (r1_xxreal_0 k6_numbers X0) \quad (3)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k6_numbers = k4_nat_d k6_numbers X0) \quad (4)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k4_nat_d X0 X0 = k6_numbers) \quad (5)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\neg \\ (X0 \neq k6_numbers) \wedge (r1_xxreal_0 (k2_xcmplx_0 X1 X0) X1))) \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2. \\ (v7_ordinal1 X2) \Rightarrow (k4_nat_d (k1_newton X0 X1) X2 = k4_nat_d (k1_newton \\ (k4_nat_d X0 X2) X1) X2))) \end{aligned} \quad (7)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow (r1_xxreal_0\ X0\ (k2_xcmplx_0\ X0\ X1))) \quad (8)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow (\neg\ (r1_xxreal_0\ X0\ X1) \wedge (\forall X2.(v7_ordinal1\ X2) \Rightarrow (X1 \neq k2_xcmplx_0\ X0\ X2)))) \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (10)$$

Theorem 1

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow ((\neg r1_xxreal_0\ X0\ k6_numbers) \Rightarrow (k4_nat_d\ (k1_newton\ X1\ X0)\ X1 = k6_numbers)))$$