

t64_pepin

(TMWp6A8wHyyV4UvgyTUbzDQsycH8z4wf56o)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k3_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ 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.

$$\begin{aligned} \forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow ((\\ k4_nat_d\ X0\ X1 = k6_numbers) \Rightarrow ((r1_xreal_0\ X1\ k6_numbers) \vee (k3_nat_d \\ X0\ X1 = k7_xcmplx_0\ X0\ X1)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (k7_xcmplx_0\ k6_numbers\ X0 = k6_numbers) \quad (3)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (\neg(k6_numbers \neq X0) \wedge (r1_xreal_0\ X0\ k6_numbers)) \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow ((\\ \neg r1_xreal_0\ X0\ k6_numbers) \Rightarrow (k4_nat_d\ (k1_newton\ X1\ X0)\ X1 = k6_numbers))) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (k3_nat_d\ k6_numbers\ X0 = k6_numbers) \quad (6)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (r1_xreal_0\ k6_numbers\ X0) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.((v7_ordinal1\ X0)\wedge(v7_ordinal1\ X1))\Rightarrow(v7_ordinal1\ (k1_newton\ X0\ X1)) \quad (8)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(v1_xcmplx_0\ X0) \quad (9)$$

Theorem 1

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(\forall X1.(v7_ordinal1\ X1)\Rightarrow((\neg r1_xreal_0\ X1\ k6_numbers)\Rightarrow(k3_nat_d\ (k1_newton\ X0\ X1)\ X0 = k7_xcmplx_0\ (k1_newton\ X0\ X1)\ X0)))$$