

t8_moebius1 (TMU-
jXSYqJf4LXHZAkFZ5cQPbgBvvJXmo9zw)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_int_2 : \iota \Rightarrow o$ be given. Let $k1_polynom2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_newton : \iota$ be given. Let $k13_nat_3 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k12_nat_3 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_valued_0 : \iota \Rightarrow o$ be given. Let $v2_pre_poly : \iota \Rightarrow o$ be given. Let $k13_pre_poly : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11_nat_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v7_ordinal1 X0) \wedge (v1_int_2 X0)) \Rightarrow (k1_polynom2 k10_newton (k12_nat_3 X0) = k1_tarski X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_relat_1 X1) \wedge ((v4_relat_1 X1 X0) \wedge (v1_funct_1 X1) \wedge ((v1_partfun1 X1 X0) \wedge ((v4_valued_0 X1) \wedge (v2_pre_poly X1)))))) \Rightarrow (k1_polynom2 X0 X1 = k13_pre_poly X1) \quad (2)$$

Assume the following.

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v7_ordinal1 X0)) \Rightarrow ((v1_relat_1 (k13_nat_3 X0)) \wedge ((v4_relat_1 (k13_nat_3 X0) k10_newton) \wedge ((v1_funct_1 (k13_nat_3 X0)) \wedge ((v1_partfun1 (k13_nat_3 X0) k10_newton) \wedge ((v4_valued_0 (k13_nat_3 X0)) \wedge (v2_pre_poly (k13_nat_3 X0)))))))) \quad (3)$$

Assume the following.

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v7_ordinal1 X0)) \Rightarrow (\forall X1. ((v1_relat_1 X1) \wedge ((v4_relat_1 X1 k10_newton) \wedge ((v1_funct_1 X1) \wedge (v1_partfun1 X1 k10_newton)))) \Rightarrow ((X1 = k13_nat_3 X0) \Leftrightarrow ((k13_pre_poly X1 = k1_polynom2 k10_newton (k12_nat_3 X0)) \wedge (\forall X2. (v7_ordinal1 X2) \Rightarrow ((X2 \in k1_polynom2 k10_newton (k12_nat_3 X0)) \Rightarrow (k1_funct_1 X1 X2 = k1_newton X2 (k11_nat_3 X0 X2))))))) \quad (4)$$

Assume the following.

$$\forall X0.((v7_ordinal1\ X0)\wedge(v1_int_2\ X0))\Rightarrow((\neg v1_xboole_0\ X0)\wedge((v7_ordinal1\ X0)\wedge(v1_int_2\ X0))) \quad (5)$$

Theorem 1

$$\forall X0.((v7_ordinal1\ X0)\wedge(v1_int_2\ X0))\Rightarrow(k1_polynom2\ k10_newton\ (k13_nat_3\ X0) = k1_tarski\ X0)$$