

t3_polynom7
(TMcS8vRBusbJV6UDoXSYbJygFBKJGKTgdYp)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ 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 $k16_pre_poly : \iota \Rightarrow \iota$ be given. Let $k8_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_relat_1 (k8_funcop_1 k5_numbers X0 k6_numbers)) \wedge \\ & ((v4_relat_1 (k8_funcop_1 k5_numbers X0 k6_numbers) X0) \wedge ((v1_funct_1 \\ & (k8_funcop_1 k5_numbers X0 k6_numbers)) \wedge ((v1_partfun1 (k8_funcop_1 \\ & k5_numbers X0 k6_numbers) X0) \wedge ((v4_valued_0 (k8_funcop_1 k5_numbers \\ & X0 k6_numbers)) \wedge (v2_pre_poly (k8_funcop_1 k5_numbers X0 k6_numbers)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.((v1_relat_1 X0) \wedge ((v4_relat_1 X0 k1_xboole_0) \wedge ((v1_funct_1 X0) \wedge (v1_partfun1 X0 k1_xboole_0)))) \Rightarrow (X0 = k1_xboole_0) \quad (2)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (3)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (4)$$

Assume the following.

$$\forall X0.k16_pre_poly X0 = k8_funcop_1 k5_numbers X0 k6_numbers \quad (5)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_relat_1 X0) \wedge ((v4_relat_1 X0 k1_xboole_0) \wedge ((v1_funct_1 X0) \wedge ((v1_partfun1 X0 k1_xboole_0) \wedge ((v4_valued_0 \\ & X0) \wedge (v2_pre_poly X0)))))) \Rightarrow (X0 = k16_pre_poly k1_xboole_0) \end{aligned}$$