

l1_polynom8 (TMFTsVE- BRQPg5kAo42oBq7w7VdStrLVFhtL)

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Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ 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 $k1_xboole_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k19_binop_2 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge \\ & ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (2)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (3)$$

Assume the following.

$$\forall X0. (v1_int_1 \ X0) \Rightarrow (k19_binop_2 \ X0 = k4_xcmplx_0 \ X0) \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. (v1_int_1 \ X0) \Rightarrow (\neg(\neg r1_xxreal_0 \ k6_numbers \ X0) \wedge ((X0 \neq \\ & k19_binop_2 \ np_1) \wedge (r1_xxreal_0 \ (k19_binop_2 \ np_1) \ X0))) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0. (m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \quad (6)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \ X0) \Rightarrow (v1_int_1 \ X0) \quad (7)$$

Theorem 1

$$\begin{aligned} & \forall X0. (v1_int_1 \ X0) \Rightarrow (\neg(\neg r1_xxreal_0 \ k6_numbers \ X0) \wedge ((X0 \neq \\ & k4_xcmplx_0 \ np_1) \wedge (r1_xxreal_0 \ (k4_xcmplx_0 \ np_1) \ X0))) \end{aligned}$$