

l63_asympt_1

(TMKCTfMruJkH9qvb5B78M3yem1CJ4Qsaaps)

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Let $k9_newton : \iota \Rightarrow \iota$ be given. Let $np_5 : \iota$ be given. Let $np_120 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k3_newton : \iota \Rightarrow \iota$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k8_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $np_6 : \iota$ 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 $np_4 : \iota$ be given. Let $np_24 : \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k3_newton (k1_nat_1 X0 np_1) = k8_real_1 (k3_newton X0) (k1_nat_1 X0 np_1)) \quad (1)$$

Assume the following.

$$k3_newton np_2 = np_2 \quad (2)$$

Assume the following.

$$((v2_xxreal_0 np_6) \wedge (m2_subset_1 np_6 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_6 k5_numbers) \wedge (m1_subset_1 np_6 k1_numbers)) \quad (3)$$

Assume the following.

$$((v2_xxreal_0 np_4) \wedge (m2_subset_1 np_4 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_4 k5_numbers) \wedge (m1_subset_1 np_4 k1_numbers)) \quad (4)$$

Assume the following.

$$((v2_xxreal_0 np_2) \wedge (m2_subset_1 np_2 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_2 k5_numbers) \wedge (m1_subset_1 np_2 k1_numbers)) \quad (5)$$

Assume the following.

$$((v2_xxreal_0 np_24) \wedge (m2_subset_1 np_24 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_24 k5_numbers) \wedge (m1_subset_1 np_24 k1_numbers)) \quad (6)$$

Assume the following.

$$\begin{aligned} & ((v2_xreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge \\ & ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \end{aligned} \quad (7)$$

Assume the following.

$$k3_xcplx_0 \ np_4 \ np_6 = np_24 \quad (8)$$

Assume the following.

$$k3_xcplx_0 \ np_2 \ np_3 = np_6 \quad (9)$$

Assume the following.

$$k3_xcplx_0 \ np_24 \ np_5 = np_120 \quad (10)$$

Assume the following.

$$k2_xcplx_0 \ np_4 \ np_1 = np_5 \quad (11)$$

Assume the following.

$$k2_xcplx_0 \ np_3 \ np_1 = np_4 \quad (12)$$

Assume the following.

$$k2_xcplx_0 \ np_2 \ np_1 = np_3 \quad (13)$$

Assume the following.

$$k2_xcplx_0 \ np_1 \ np_1 = np_2 \quad (14)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \ X0) \Rightarrow (k9_newton \ X0 = k3_newton \ X0) \quad (15)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((m1_subset_1 \ X0 \ k1_numbers) \wedge (v1_xreal_0 \\ & \ X1)) \Rightarrow (k8_real_1 \ X0 \ X1 = k3_xcplx_0 \ X0 \ X1) \end{aligned} \quad (16)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (17)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v7_ordinal1 \ X0) \wedge (m1_subset_1 \ X1 \ k5_numbers)) \Rightarrow \\ & (k1_nat_1 \ X0 \ X1 = k2_xcplx_0 \ X0 \ X1) \end{aligned} \quad (18)$$

Assume the following.

$$\forall X0.\forall X1.((v7_ordinal1\ X0)\wedge(v7_ordinal1\ X1))\Rightarrow(v7_ordinal1\ (k2_xcmplx_0\ X0\ X1)) \quad (19)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1\ X0\ k1_numbers)\wedge(v1_xreal_0\ X1))\Rightarrow(k8_real_1\ X0\ X1 = k8_real_1\ X1\ X0) \quad (20)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k4_ordinal1)\Rightarrow(v7_ordinal1\ X0) \quad (21)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(v1_xreal_0\ X0) \quad (22)$$

Theorem 1 $k9_newton\ np_5 = np_120$.