

t1_series_2

(TMNF1FhE6Bybjz9y4MWS6u3V5FRPtfg3ehM)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k18_complex1 : \iota \Rightarrow \iota$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $v1_abian : \iota \Rightarrow o$ be given. Let $k3_power : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v2_xreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $np_0 : \iota$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k16_complex1 : \iota \Rightarrow \iota$ be given. Let $v6_membered : \iota \Rightarrow o$ be given. Let $v4_membered : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $v5_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((\neg v1_abian X1) \Rightarrow (k3_power (k4_xcmplx_0 X0) X1 = k4_xcmplx_0 (k3_power X0 X1)))) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((v1_abian X1) \Rightarrow (k3_power (k4_xcmplx_0 X0) X1 = k3_power X0 X1))) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (k3_power X0 X1 = k1_newton X0 X1)) \quad (4)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k3_power np_1 X0 = np_1) \quad (5)$$

Assume the following.

$$((v2_xreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (6)$$

Assume the following.

$$v1_xboole_0 \text{ } np_0 \quad (7)$$

Assume the following.

$$k4_xcmplx_0 (k4_xcmplx_0 \text{ } np_1) = np_1 \quad (8)$$

Assume the following.

$$\neg r1_xxreal_0 \text{ } np_0 (k4_xcmplx_0 \text{ } np_1) \quad (9)$$

Assume the following.

$$r1_xxreal_0 \text{ } np_0 \text{ } np_1 \quad (10)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (11)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (12)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 \text{ } X0) \Rightarrow (k18_complex1 \text{ } X0 = k16_complex1 \text{ } X0) \quad (13)$$

Assume the following.

$$v6_membered \text{ } k4_ordinal1 \quad (14)$$

Assume the following.

$$\forall X0.(v1_xreal_0 \text{ } X0) \Rightarrow ((v1_xcmplx_0 (k4_xcmplx_0 \text{ } X0)) \wedge (v1_xreal_0 (k4_xcmplx_0 \text{ } X0))) \quad (15)$$

Assume the following.

$$\forall X0.(v1_xreal_0 \text{ } X0) \Rightarrow (((r1_xxreal_0 \text{ } k6_numbers \text{ } X0) \Rightarrow (k16_complex1 \text{ } X0 = X0)) \wedge ((\neg r1_xxreal_0 \text{ } k6_numbers \text{ } X0) \Rightarrow (k16_complex1 \text{ } X0 = k4_xcmplx_0 \text{ } X0))) \quad (16)$$

Assume the following.

$$\forall X0.(v4_membered \text{ } X0) \Rightarrow (v3_membered \text{ } X0) \quad (17)$$

Assume the following.

$$\forall X0.(v5_membered \text{ } X0) \Rightarrow (v4_membered \text{ } X0) \quad (18)$$

Assume the following.

$$\forall X0.(m1_subset_1 \text{ } X0 \text{ } k1_numbers) \Rightarrow (v1_xreal_0 \text{ } X0) \quad (19)$$

Assume the following.

$$\forall X0.(v6_membered\ X0)\Rightarrow(v5_membered\ X0) \quad (20)$$

Assume the following.

$$\forall X0.(v6_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v7_ordinal1\ X1)) \quad (21)$$

Assume the following.

$$\forall X0.(v5_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_int_1\ X1)) \quad (22)$$

Assume the following.

$$\forall X0.(v3_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_xreal_0\ X1)) \quad (23)$$

Theorem 1

$$\forall X0.(m1_subset_1\ X0\ k5_numbers)\Rightarrow(k18_complex1\ (k1_newton\ (k4_xcmplx_0\ np_1)\ X0) = np_1)$$