

t61_sin_cos9 (TM-
dAzM3toAFqQk9X8HpfLnVPm4dbZkLdtzE)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k5_sin_cos9 : \iota \Rightarrow \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $np_4 : \iota$ be given. Let $k1_sin_cos4 : \iota \Rightarrow \iota$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_sin_cos9 : \iota$ 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 $k5_numbers : \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $k31_sin_cos : \iota$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (((r1_xxreal_0 (k1_real_1 np_1) X0) \wedge (r1_xxreal_0 X0 np_1)) \Rightarrow (k1_sin_cos4 (k5_sin_cos9 X0) = X0)) \quad (1)$$

Assume the following.

$$(k5_sin_cos9 np_1 = k10_real_1 k32_sin_cos np_4) \wedge (k1_seq_1 k1_sin_cos9 np_1 = k10_real_1 k32_sin_cos np_4) \quad (2)$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (3)$$

Assume the following.

$$r1_xxreal_0 (k4_xcmplx_0 np_1) np_1 \quad (4)$$

Assume the following.

$$r1_xxreal_0 np_1 np_1 \quad (5)$$

Assume the following.

$$k32_sin_cos = k31_sin_cos \quad (6)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k1_real_1 X0 = k4_xcmplx_0 X0) \quad (7)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (((r1_xreal_0 (k1_real_1 np_1) X0) \wedge (r1_xreal_0 X0 np_1) \wedge (k5_sin_cos9 X0 = k10_real_1 k32_sin_cos np_4))) \Rightarrow (X0 = np_1))$$