

t57_sin_cos9

(TMPU3oUn5m1bVZaRBphbKT78LLmvB7AYsU8)

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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 $k29_sin_cos : \iota$ 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.

$$(k1_seq_1 k29_sin_cos (k1_real_1 (k10_real_1 k32_sin_cos np_4)) = k1_real_1 np_1) \wedge (k1_sin_cos4 (k1_real_1 (k10_real_1 k32_sin_cos np_4)) = k1_real_1 np_1) \quad (2)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (((r1_xxreal_0 (k1_real_1 np_1) X0) \wedge ((r1_xxreal_0 X0 np_1) \wedge (k5_sin_cos9 X0 = k1_real_1 (k10_real_1 k32_sin_cos np_4)))) \Rightarrow (X0 = k1_real_1 np_1))$$