

t69_sin_cos9 (TMK-
SqsHiFL3XPq33oFAwpUsgLDXDFH1mbGh)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k2_sin_cos4 : \iota \Rightarrow \iota$ be given. Let $k5_sin_cos9 : \iota \Rightarrow \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_sin_cos4 : \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (((r1_xreal_0 (k1_real_1 np_1) X0) \wedge (r1_xreal_0 X0 np_1)) \Rightarrow (k1_sin_cos4 (k5_sin_cos9 X0) = X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k2_sin_cos4 X0 = k10_real_1 np_1 (k1_sin_cos4 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (m1_subset_1 (k5_sin_cos9 X0) k1_numbers) \quad (3)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (4)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (((r1_xreal_0 (k1_real_1 np_1) X0) \wedge (r1_xreal_0 X0 np_1)) \Rightarrow (k2_sin_cos4 (k5_sin_cos9 X0) = k10_real_1 np_1 X0))$$