

t19_sin_cos7

(TMSjT3fRAmQFyKmqfBrwmVgdUokrfccF32f)

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Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Let $k5_square_1 : \iota \Rightarrow \iota$ be given. Let $k10_binop_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_square_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\neg(\neg r1_xxreal_0 X0 k6_numbers) \wedge (\neg r1_xxreal_0 np_1 X0) \wedge (r1_xxreal_0 np_1 (k3_square_1 X0)))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\neg(X0 \neq np_1) \wedge (r1_xxreal_0 (k5_square_1 (k10_binop_2 np_1 X0)) k6_numbers)) \quad (2)$$

Assume the following.

$$r1_xxreal_0 np_1 np_1 \quad (3)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (v1_xreal_0 (k3_square_1 X0)) \quad (4)$$

Theorem 1

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\neg(\neg r1_xxreal_0 X0 k6_numbers) \wedge (\neg r1_xxreal_0 np_1 X0) \wedge (r1_xxreal_0 (k5_square_1 (k10_binop_2 np_1 (k3_square_1 X0))) k6_numbers)))$$