

t73_sin_cos6 (TM-
FZkHZS5BZWzZwpZM4YKQpnwLuix7BDsJD)

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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 $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k3_sin_cos6 : \iota \Rightarrow \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $np_2 : \iota$ be given. Let $k18_sin_cos : \iota \Rightarrow \iota$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k16_sin_cos : \iota$ be given. Assume the following.

$$\begin{aligned} (k18_sin_cos (k1_real_1 (k10_real_1 k32_sin_cos np_2))) = k1_real_1 \\ np_1) \wedge (k1_seq_1 k16_sin_cos (k1_real_1 (k10_real_1 k32_sin_cos \\ np_2))) = k1_real_1 np_1 \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (v1_xreal_0 X0) \Rightarrow (((r1_xxreal_0 (k1_real_1 np_1) \\ X0) \wedge (r1_xxreal_0 X0 np_1)) \Rightarrow (k18_sin_cos (k3_sin_cos6 X0) = X0)) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0. (v1_xreal_0 X0) \Rightarrow (((r1_xxreal_0 (k1_real_1 np_1) \\ X0) \wedge ((r1_xxreal_0 X0 np_1) \wedge (k3_sin_cos6 X0 = k1_real_1 (k10_real_1 \\ k32_sin_cos np_2)))) \Rightarrow (X0 = k1_real_1 np_1)) \end{aligned}$$