l1_sin_cos8 (TMGnEvckXK-SANVVVJn1cvWQHNGwZzhbx16j)

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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 $np\_\_1 : \iota$ be given. Let $k6\_sin\_cos2 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k3\_sin\_cos2 : \iota \Rightarrow \iota$ be given. Let $k1\_seq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_sin\_cos2 : \iota$ be given. Let $k1\_sin\_cos2 : \iota$ be given. Let $k5\_sin\_cos2 : \iota \Rightarrow \iota$ be given. Let $k2\_sin\_cos2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (r1\_xxreal\_0\ np\_\_1\ (k1\_seq\_1\ k4\_sin\_cos2\ X0)) \tag{1}$$

Assume the following.

$$k1\_seq\_1\ k1\_sin\_cos2\ k6\_numbers = k6\_numbers \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow ((k1\_seq\_1\ k4\_sin\_cos2\ X0 \neq k6\_numbers) \wedge ((\neg r1\_xxreal\_0\ (k1\_seq\_1\ k4\_sin\_cos2\ X0)\ k6\_numbers) \wedge (k1\_seq\_1\ k4\_sin\_cos2\ k6\_numbers = np\_\_1))) \tag{3}$$

Assume the following.

$$\forall X0.k6\_sin\_cos2\ X0 = k5\_sin\_cos2\ X0 \tag{4}$$

Assume the following.

$$\forall X0.k3\_sin\_cos2\ X0 = k2\_sin\_cos2\ X0 \tag{5}$$

Assume the following.

$$\forall X0.k5\_sin\_cos2\ X0 = k1\_seq\_1\ k4\_sin\_cos2\ X0 \tag{6}$$

Assume the following.

$$\forall X0.k2\_sin\_cos2\ X0 = k1\_seq\_1\ k1\_sin\_cos2\ X0 \tag{7}$$

Theorem 1

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow ((r1\_xxreal\_0\ np\_\_1\ (k6\_sin\_cos2\ X0)) \wedge ((k6\_sin\_cos2\ k6\_numbers = np\_\_1) \wedge (k3\_sin\_cos2\ k6\_numbers = k6\_numbers)))$$