

# t74\_sin\_cos6 (TMYaN- mvccN6sSWXoMEGuPp6sKL85dgvcxSX)

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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  $k6\_numbers : \iota$  be given. Let  $k18\_sin\_cos : \iota \Rightarrow \iota$  be given. Let  $k21\_sin\_cos : \iota \Rightarrow \iota$  be given. Let  $k20\_sin\_cos : \iota \Rightarrow \iota$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $k17\_sin\_cos : \iota \Rightarrow \iota$  be given. Let  $k2\_sin\_cos6 : \iota \Rightarrow \iota$  be given. Let  $k1\_seq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_sin\_cos6 : \iota$  be given. Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (((r1\_xxreal\_0 (k1\_real\_1 np\_1) X0) \wedge (r1\_xxreal\_0 X0 np\_1)) \Rightarrow (k18\_sin\_cos (k3\_sin\_cos6 X0) = X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (((k21\_sin\_cos k6\_numbers = np\_1) \wedge ((k18\_sin\_cos k6\_numbers = k6\_numbers) \wedge ((k20\_sin\_cos (k4\_xcmplx\_0 X0) = k20\_sin\_cos X0) \wedge (k17\_sin\_cos (k4\_xcmplx\_0 X0) = k4\_xcmplx\_0 (k17\_sin\_cos X0)))))) \quad (2)$$

Assume the following.

$$\forall X0.k3\_sin\_cos6 X0 = k2\_sin\_cos6 X0 \quad (3)$$

Assume the following.

$$\forall X0.k2\_sin\_cos6 X0 = k1\_seq\_1 k1\_sin\_cos6 X0 \quad (4)$$

## Theorem 1

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (((r1\_xxreal\_0 (k1\_real\_1 np\_1) X0) \wedge ((r1\_xxreal\_0 X0 np\_1) \wedge (k3\_sin\_cos6 X0 = k6\_numbers))) \Rightarrow (X0 = k6\_numbers))$$