

t13_integra8 (TMQxsMLh-
wUUA445tYXYfyMAxwLcXuixMSgk)

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Let $k21_sin_cos : \iota \Rightarrow \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $np_4 : \iota$ be given. Let $k7_square_1 : \iota \Rightarrow \iota$ 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. Let $np_1 : \iota$ be given. Let $k19_sin_cos : \iota$ be given. Let $k3_sin_cos6 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k20_sin_cos : \iota \Rightarrow \iota$ be given. Let $k17_sin_cos : \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k18_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 (k7_square_1 np_2) np_2 \quad (1)$$

Assume the following.

$$(k1_seq_1 k16_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 np_1 (k7_square_1 np_2)) \wedge (k1_seq_1 k19_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 np_1 (k7_square_1 np_2)) \quad (2)$$

Assume the following.

$$k3_sin_cos6 (k10_real_1 (k7_square_1 np_2) np_2) = k10_real_1 k32_sin_cos np_4 \quad (3)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k21_sin_cos X0 = k20_sin_cos X0) \quad (4)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k18_sin_cos X0 = k17_sin_cos X0) \quad (5)$$

Assume the following.

$$\forall X0.m1_subset_1 (k3_sin_cos6 X0) k1_numbers \quad (6)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k20_sin_cos X0 = k1_seq_1 k19_sin_cos X0) \quad (7)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k17_sin_cos X0 = k1_seq_1 k16_sin_cos X0) \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (9)$$

Theorem 1

$$k21_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 (k7_square_1 np_2) np_2$$