

l15_integra8 (TMQZWNWN- jAQkz93stPftWjRHGzX2aGQ9Bx5)

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Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. 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 $k6_numbers : \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k16_sin_cos : \iota$ be given. Let $k5_sin_cos9 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k1_sin_cos9 : \iota$ be given. Let $k7_square_1 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k19_sin_cos : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k31_sin_cos : \iota$ be given. Let $k20_sin_cos : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\neg(X0 \in k2_rcomp_1 k6_numbers k32_sin_cos) \wedge (r1_xxreal_0 (k1_seq_1 k16_sin_cos X0) k6_numbers)) \quad (1)$$

Assume the following.

$$(k5_sin_cos9 np_1 = k10_real_1 k32_sin_cos np_4) \wedge (k1_seq_1 k1_sin_cos9 np_1 = k10_real_1 k32_sin_cos np_4) \quad (2)$$

Assume the following.

$$(k1_seq_1 k16_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 np_1 (k7_square_1 np_2)) \wedge (k1_seq_1 k19_sin_cos (k10_real_1 k32_sin_cos np_4) = k10_real_1 np_1 (k7_square_1 np_2)) \quad (3)$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (4)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (5)$$

Assume the following.

$$k32_sin_cos = k31_sin_cos \quad (6)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k21_sin_cos X0 = k20_sin_cos X0) \quad (7)$$

Assume the following.

$$k10_real_1 k32_sin_cos np_4 \in k2_rcomp_1 k6_numbers k32_sin_cos \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (m1_subset_1 (k5_sin_cos9 X0) k1_numbers) \quad (9)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k20_sin_cos X0 = k1_seq_1 k19_sin_cos X0) \quad (10)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (11)$$

Theorem 1 $\neg r1_xreal_0 (k21_sin_cos (k10_real_1 k32_sin_cos np_4)) k6_numbers$.