

t88_sin_cos6

(TMNP8KrfMamYacsAtybpXpuAwkKQ3EwVLqZ)

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Let $k4_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k4_sin_cos6 : \iota$ be given. Let $k5_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k19_sin_cos : \iota$ be given. Let $k1_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $k6_partfun1 : \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & k3_relat_1 \ k4_sin_cos6 \ (k5_relset_1 \ k1_numbers \ k1_numbers \ k19_sin_cos \\ & \ (k1_rcomp_1 \ k6_numbers \ k32_sin_cos)) = k6_partfun1 \ (k1_rcomp_1 \\ & \ (k1_real_1 \ np_1) \ np_1) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & ((m1_subset_1 \ X4 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ X0 \ X1))) \wedge (m1_subset_1 \\ & \ X5 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ X2 \ X3)))) \Rightarrow (k4_relset_1 \ X0 \ X1 \ X2 \ X3 \\ & \ X4 \ X5 = k3_relat_1 \ X4 \ X5) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. (m1_subset_1 \ X2 \ (\\ & \ k1_zfmisc_1 \ (k2_zfmisc_1 \ X0 \ X1))) \Rightarrow (m1_subset_1 \ (k5_relset_1 \\ & \ X0 \ X1 \ X2 \ X3) \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ X0 \ X1))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 \ k4_sin_cos6) \wedge (m1_subset_1 \ k4_sin_cos6 \ (k1_zfmisc_1 \\ & \ (k2_zfmisc_1 \ k1_numbers \ k1_numbers))) \end{aligned} \tag{4}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 \ k19_sin_cos) \wedge ((v1_funct_2 \ k19_sin_cos \ k1_numbers \\ & \ k1_numbers) \wedge (m1_subset_1 \ k19_sin_cos \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ k1_numbers \\ & \ k1_numbers)))) \end{aligned} \tag{5}$$

Theorem 1

$$\begin{aligned} & k4_relset_1 \ k1_numbers \ k1_numbers \ k1_numbers \ k1_numbers \ k4_sin_cos6 \\ & (k5_relset_1 \ k1_numbers \ k1_numbers \ k19_sin_cos \ (k1_rcomp_1 \ k6_numbers \\ & \quad k32_sin_cos)) = k6_partfun1 \ (k1_rcomp_1 \ (k1_real_1 \ np_1) \ np_1) \end{aligned}$$