

t10_sin_cos9
(TMFSVrMq6gFbvL9yja4BiD94wcR9vxXtx4q)

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Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k2_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k30_sin_cos : \iota$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $v6_valued_0 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ 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 $v5_valued_0 : \iota \Rightarrow o$ be given. Assume the following.

$$v6_valued_0 (k2_partfun1\ k1_numbers\ k1_numbers\ k30_sin_cos\ (k2_rcomp_1\ k6_numbers\ k32_sin_cos)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1_funct_1\ X1)\wedge(m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers))))\Rightarrow(((v5_valued_0\ (k2_partfun1\ k1_numbers\ k1_numbers\ X1\ X0))\vee(v6_valued_0\ (k2_partfun1\ k1_numbers\ k1_numbers\ X1\ X0)))\Rightarrow(v2_funct_1\ (k2_partfun1\ k1_numbers\ k1_numbers\ X1\ X0))) \quad (2)$$

Assume the following.

$$(v1_funct_1\ k30_sin_cos)\wedge(m1_subset_1\ k30_sin_cos\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers))) \quad (3)$$

Theorem 1

$$v2_funct_1\ (k2_partfun1\ k1_numbers\ k1_numbers\ k30_sin_cos\ (k2_rcomp_1\ k6_numbers\ k32_sin_cos))$$