

l24_toprealb
(TMLRt9nN2Vck553jxq44186dHfNKz3fLzw)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k16_sin_cos : \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_topalg_2 : \iota$ 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 $k1_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((v1_funct_1 X0) \wedge ((v1_funct_2 X0 k1_numbers k1_numbers) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 k1_numbers k1_numbers)))))) \Rightarrow \\ & ((v1_funct_1 X0) \wedge ((v1_funct_2 X0 (u1_struct_0 k2_topalg_2) (\\ & u1_struct_0 k2_topalg_2)) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 \\ & (u1_struct_0 k2_topalg_2) (u1_struct_0 k2_topalg_2))))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 k16_sin_cos) \wedge ((v1_funct_2 k16_sin_cos k1_numbers \\ & k1_numbers) \wedge (m1_subset_1 k16_sin_cos (k1_zfmisc_1 (k2_zfmisc_1 \\ & k1_numbers k1_numbers)))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & (v1_funct_1 k16_sin_cos) \wedge ((v1_funct_2 k16_sin_cos (u1_struct_0 \\ & k2_topalg_2) (u1_struct_0 k2_topalg_2)) \wedge (m1_subset_1 k16_sin_cos \\ & (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 k2_topalg_2) (u1_struct_0 \\ & k2_topalg_2)))))) \end{aligned}$$