

t8_toprealb
(TMVJib54tn5oRw65vybR1uFthunpAQbvwsC)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ 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 $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_topalg_2 : \iota$ be given. Let $k3_topmetr : \iota$ be given. Assume the following.

$$u1_struct_0\ k3_topmetr = k1_numbers \tag{1}$$

Assume the following.

$$k2_topalg_2 = k3_topmetr \tag{2}$$

Theorem 1

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