

t77_setlim_1

(TMdxos8zhktEXvRZbk2rZdmWxtYVMAodkPg)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k9_setfam_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_funct_1 : \iota \Rightarrow o$ be given. Let $k3_funct_1 : \iota \Rightarrow \iota$ be given. Let $v3_kurato_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_kurato_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_kurato_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\forall X2. \\
 & ((v1_funct_1 X2) \wedge ((v1_funct_2 X2 k5_numbers (k9_setfam_1 X0)) \wedge \\
 & (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers (k9_setfam_1 \\
 & X0)))))) \Rightarrow (((v3_funct_1 X2) \wedge (k3_funct_1 X2 = X1)) \Rightarrow ((v3_kurato_0 \\
 & X2 X0) \wedge ((k4_kurato_0 X0 X2 = X1) \wedge ((k3_kurato_0 X0 X2 = X1) \wedge (k4_kurato_0 \\
 & X0 X2 = X1))))))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\forall X2. \\
 & ((\neg v1_xboole_0 X2) \wedge ((v1_prob_1 X2 X0) \wedge ((v4_prob_1 X2 X0) \wedge (m1_subset_1 \\
 & X2 (k1_zfmisc_1 (k1_zfmisc_1 X0)))))) \Rightarrow (\forall X3. ((v5_relat_1 \\
 & X3 X2) \wedge ((v1_funct_1 X3) \wedge ((v1_funct_2 X3 k5_numbers (k9_setfam_1 \\
 & X0)) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers (k9_setfam_1 \\
 & X0)))))) \Rightarrow (((v3_funct_1 X3) \wedge (k3_funct_1 X3 = X1)) \Rightarrow ((v3_kurato_0 \\
 & X3 X0) \wedge ((k4_kurato_0 X0 X3 = X1) \wedge ((k3_kurato_0 X0 X3 = X1) \wedge (k4_kurato_0 \\
 & X0 X3 = X1))))))
 \end{aligned}$$