

t58_funct_2

(TMabxDi9evq5kKqstMpxXn1nvWN3BF7H6zh)

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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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 X0 X0) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0)))) \Rightarrow ((v2_funct_1 \\ & X1) \Leftrightarrow (\forall X2. \forall X3. ((X2 \in X0) \wedge ((X3 \in X0) \wedge (k1_funct_1 X1 \\ & X2 = k1_funct_1 X1 X3))) \Rightarrow (X2 = X3))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 X0 X0) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0)))) \Rightarrow ((v2_funct_1 \\ & X1) \Rightarrow (\forall X2. \forall X3. ((X2 \in X0) \wedge ((X3 \in X0) \wedge (k1_funct_1 X1 \\ & X2 = k1_funct_1 X1 X3))) \Rightarrow (X2 = X3))) \end{aligned}$$