

t3_borsuk_4

(TMHXM6mm6o6g4a7y6XcEMCEuC8m6kn2E8wr)

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Let $v1_zfmisc_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\neg(\neg \\ v1_zfmisc_1 X1) \wedge (\forall X2. (m1_subset_1 X2 X0) \Rightarrow (\forall X3. \\ (m1_subset_1 X3 X0) \Rightarrow (\neg(X2 \in X1) \wedge ((X3 \in X1) \wedge (X2 \neq X3)))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0. (\neg v1_zfmisc_1 X0) \Rightarrow (\forall X1. ((\neg v1_zfmisc_1 X1) \wedge \\ (m1_subset_1 X1 (k1_zfmisc_1 X0))) \Rightarrow (\forall X2. \exists X3. (m1_subset_1 \\ X3 X0) \wedge ((X3 \in X1) \wedge (X3 \neq X2)))) \end{aligned}$$