

t23_zf_fund1 (TMTDHSVkMcDWfm- jAXNd1b7uHnvQ97oN7hCU8)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v8_zf_fund1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_ordinal4 : \iota \Rightarrow \iota$ be given. Let $k3_ordinal4 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (\forall X1. \\ & ((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0))) \Rightarrow ((v8_zf_fund1 \\ & X1 X0) \Rightarrow ((k2_ordinal4 X0 \in X1) \wedge (k3_ordinal4 X0 \in X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (\forall X1. \\ & ((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 k4_ordinal1) \Rightarrow ((v8_zf_fund1 X1 X0) \Rightarrow (X2 \in X1)))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (\forall X1. \\ & ((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 k4_ordinal1) \Rightarrow ((v8_zf_fund1 X1 X0) \Rightarrow ((X2 \in X1) \wedge \\ & ((k2_ordinal4 X0 \in X1) \wedge (k3_ordinal4 X0 \in X1)))))) \end{aligned}$$