t46_funcop_1 (TMNR-duygFhMPD6WMiAwsFpQ5F9xWcPSd1bL)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $k8\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.((\neg v1\_xboole\_0\ X0) \wedge (m1\_subset\_1\ X2\ X0)) \Rightarrow ((v1\_funct\_1\ (k8\_funcop\_1\ X0\ X1\ X2)) \wedge ((v1\_funct\_2\ (k8\_funcop\_1\ X0\ X1\ X2)\ X1\ X0) \wedge (m1\_subset\_1\ (k8\_funcop\_1\ X0\ X1\ X2)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X1\ X0))))) \tag{1}$$

Theorem 1

$$\forall X0.\forall X1.(\neg v1\_xboole\_0\ X1) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ X1) \Rightarrow ((v1\_funct\_1\ (k8\_funcop\_1\ X1\ X0\ X2)) \wedge ((v1\_funct\_2\ (k8\_funcop\_1\ X1\ X0\ X2)\ X0\ X1) \wedge (m1\_subset\_1\ (k8\_funcop\_1\ X1\ X0\ X2)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))))))$$