l25_glib_003 (TMJtA5Dp9K4n5R5BJEcu9QvjM5RxPJBjNn2)

October 27, 2020

Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_funct\_4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k16\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_funct\_1\ X2) \wedge (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)))) \Rightarrow (\forall X3.\forall X4.((X3 \in X0) \wedge (X4 \in X1)) \Rightarrow ((v1\_funct\_1\ (k1\_funct\_4\ X2\ (k16\_funcop\_1\ X3\ X4))) \wedge (m1\_subset\_1\ (k1\_funct\_4\ X2\ (k16\_funcop\_1\ X3\ X4))\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))))) \tag{1}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.((v1\_funct\_1\ X4) \wedge (m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X2\ X3)))) \Rightarrow (((X0 \in X2) \wedge (X1 \in X3)) \Rightarrow ((v1\_funct\_1\ (k1\_funct\_4\ X4\ (k16\_funcop\_1\ X0\ X1))) \wedge (m1\_subset\_1\ (k1\_funct\_4\ X4\ (k16\_funcop\_1\ X0\ X1))\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X2\ X3)))))$$