t26_topalg_5 (TM-Nji45wVUNy4iNkATEMYCscUUPbusWbrrt)

October 27, 2020

Let $v3\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_topalg\_5 : \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k2\_gr\_cy\_1 : \iota$ be given. Let $k5\_topalg\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8\_toprealb : \iota \Rightarrow \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k9\_toprealb : \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v2\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2\_funct\_2 : \iota \Rightarrow \iota \Rightarrow o$ 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. Assume the following.

$$(v1\_funct\_1\ k7\_topalg\_5) \wedge ((v2\_funct\_1\ k7\_topalg\_5) \wedge ((v1\_funct\_2\ k7\_topalg\_5\ (u1\_struct\_0\ k2\_gr\_cy\_1)\ (u1\_struct\_0\ (k5\_topalg\_1\ (k8\_toprealb\ np\_\_2)\ k9\_toprealb))) \wedge (v2\_funct\_2\ k7\_topalg\_5\ (u1\_struct\_0\ (k5\_topalg\_1\ (k8\_toprealb\ np\_\_2)\ k9\_toprealb)))))) \tag{1}$$

Assume the following.

$$(v1\_funct\_1\ k7\_topalg\_5) \wedge ((v1\_funct\_2\ k7\_topalg\_5\ (u1\_struct\_0\ k2\_gr\_cy\_1)\ (u1\_struct\_0\ (k5\_topalg\_1\ (k8\_toprealb\ np\_\_2)\ k9\_toprealb))) \wedge (m1\_subset\_1\ k7\_topalg\_5\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ k2\_gr\_cy\_1)\ (u1\_struct\_0\ (k5\_topalg\_1\ (k8\_toprealb\ np\_\_2)\ k9\_toprealb))))))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow (((v1\_funct\_1\ X2) \wedge ((v2\_funct\_1\ X2) \wedge (v2\_funct\_2\ X2\ X1))) \Rightarrow ((v1\_funct\_1\ X2) \wedge (v3\_funct\_2\ X2\ X0\ X1))) \tag{3}$$

Theorem 1

$$v3\_funct\_2\ k7\_topalg\_5\ (u1\_struct\_0\ k2\_gr\_cy\_1)\ (u1\_struct\_0\ (k5\_topalg\_1\ (k8\_toprealb\ np\_\_2)\ k9\_toprealb))$$