t35_sgraph1 (TMPcutyZVNGzE7z25JF1QZAGXnDFm5kGpQ8)

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Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k8\_sgraph1 : \iota$ be given. Let $k2\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_3 : \iota$ be given. Let $u1\_sgraph1 : \iota \Rightarrow \iota$ be given. Let $k4\_setwiseo : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_finsub\_1 : \iota \Rightarrow \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $k3\_setwiseo : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_sgraph1 : \iota \Rightarrow \iota$ be given. Let $g1\_sgraph1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_sgraph1 : \iota \Rightarrow o$ be given. Let $l1\_sgraph1 : \iota \Rightarrow o$ be given. Assume the following.

$$\exists X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (k2\_sgraph1\ (k2\_finseq\_1\ np\_\_3))))\wedge((X0 = k4\_setwiseo\ (k5\_finsub\_1\ k5\_numbers)\ (k3\_setwiseo\ k5\_numbers\ np\_\_1\ np\_\_2)\ (k3\_setwiseo\ k5\_numbers\ np\_\_2\ np\_\_3)\ (k3\_setwiseo\ k5\_numbers\ np\_\_3\ np\_\_1))\wedge(k8\_sgraph1 = g1\_sgraph1\ (k2\_finseq\_1\ np\_\_3)\ X0)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_sgraph1\ X0)))\Rightarrow(\forall X2.\forall X3.(g1\_sgraph1\ X0\ X1 = g1\_sgraph1\ X2\ X3)\Rightarrow((X0 = X2)\wedge(X1 = X3))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_sgraph1\ X0)))\Rightarrow((v1\_sgraph1\ (g1\_sgraph1\ X0\ X1))\wedge(l1\_sgraph1\ (g1\_sgraph1\ X0\ X1))) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_sgraph1\ X0)\Rightarrow((v1\_sgraph1\ X0)\Rightarrow(X0 = g1\_sgraph1\ (u1\_struct\_0\ X0)\ (u1\_sgraph1\ X0))) \tag{4}$$

Theorem 1

$$(u1\_struct\_0\ k8\_sgraph1 = k2\_finseq\_1\ np\_\_3)\wedge(u1\_sgraph1\ k8\_sgraph1 = k4\_setwiseo\ (k5\_finsub\_1\ k5\_numbers)\ (k3\_setwiseo\ k5\_numbers\ np\_\_1\ np\_\_2)\ (k3\_setwiseo\ k5\_numbers\ np\_\_2\ np\_\_3)\ (k3\_setwiseo\ k5\_numbers\ np\_\_3\ np\_\_1))$$