

t7_jgraph_2 (TMGeeR- mVBPxBU2WVid9YNCy6wEb2DNWcqtr)

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Let $k1_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k5_pscomp_1 : \iota$ be given. Let $k1_euclid : \iota \Rightarrow \iota$ be given. Let $k4_pscomp_1 : \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & (k1_relset_1 (u1_struct_0 (k15_euclid np_2)) k4_pscomp_1 = u1_struct_0 \\ & \quad (k15_euclid np_2)) \wedge (k1_relset_1 (u1_struct_0 (k15_euclid np_2)) \\ & \quad \quad k4_pscomp_1 = k1_euclid np_2) \end{aligned} \tag{1}$$

Assume the following.

$$u1_struct_0 (k15_euclid np_2) = k1_euclid np_2 \tag{2}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 k5_pscomp_1) \wedge ((v1_funct_2 k5_pscomp_1 (u1_struct_0 \\ & \quad (k15_euclid np_2)) k1_numbers) \wedge (m1_subset_1 k5_pscomp_1 (k1_zfmisc_1 \\ & \quad \quad (k2_zfmisc_1 (u1_struct_0 (k15_euclid np_2)) k1_numbers)))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 k4_pscomp_1) \wedge ((v1_funct_2 k4_pscomp_1 (u1_struct_0 \\ & \quad (k15_euclid np_2)) k1_numbers) \wedge (m1_subset_1 k4_pscomp_1 (k1_zfmisc_1 \\ & \quad \quad (k2_zfmisc_1 (u1_struct_0 (k15_euclid np_2)) k1_numbers)))) \end{aligned} \tag{4}$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota. v1_xboole_0 X0) \tag{5}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 \\ & (k2_zfmisc_1 X0 X1)))\Rightarrow(((X1\neq k1_xboole_0)\Rightarrow((v1_funct_2 X2 X0 \\ & X1)\Leftrightarrow(X0 = k1_relset_1 X0 X2)))\wedge((X1 = k1_xboole_0)\Rightarrow((v1_funct_2 \\ & X2 X0 X1)\Leftrightarrow(X2 = k1_xboole_0)))) \end{aligned} \tag{6}$$

Theorem 1

$$\begin{aligned} & (k1_relset_1 (u1_struct_0 (k15_euclid np_2)) k5_pscomp_1 = u1_struct_0 \\ & (k15_euclid np_2))\wedge(k1_relset_1 (u1_struct_0 (k15_euclid np_2)) \\ & k5_pscomp_1 = k1_euclid np_2) \end{aligned}$$