

t47_jgraph_2
(TMTU83KqGwt3vWwba9yrDWQEzLqmoDem87f)

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Let $v4_pre_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & (v4_pre_topc (ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (u1_struct_0 \\
 & \quad (k15_euclid np_2)))) (\lambda X0 : \iota. r1_xxreal_0 (k18_euclid X0) \\
 & \quad (k1_real_1 (k17_euclid X0))) (\lambda X0 : \iota. X0) (k15_euclid np_2))) \wedge \\
 & (m1_subset_1 (ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (u1_struct_0 \\
 & \quad (k15_euclid np_2)))) (\lambda X0 : \iota. r1_xxreal_0 (k18_euclid X0) \\
 & \quad (k1_real_1 (k17_euclid X0))) (\lambda X0 : \iota. X0) (k1_zfmisc_1 (\\
 & \quad \quad u1_struct_0 (k15_euclid np_2)))))) \quad (1)
 \end{aligned}$$

Assume the following.

$$\begin{aligned}
 & (v4_pre_topc (ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (u1_struct_0 \\
 & \quad (k15_euclid np_2)))) (\lambda X0 : \iota. r1_xxreal_0 (k1_real_1 (k17_euclid \\
 & \quad \quad X0) (k18_euclid X0)) (\lambda X0 : \iota. X0) (k15_euclid np_2))) \wedge (\\
 & m1_subset_1 (ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (u1_struct_0 \\
 & \quad (k15_euclid np_2)))) (\lambda X0 : \iota. r1_xxreal_0 (k1_real_1 (k17_euclid \\
 & \quad \quad X0) (k18_euclid X0)) (\lambda X0 : \iota. X0) (k1_zfmisc_1 (u1_struct_0 \\
 & \quad \quad \quad (k15_euclid np_2)))))) \quad (2)
 \end{aligned}$$

Theorem 1

$((v4_pre_topc (ReplSep (toset (\lambda X0 : \iota.m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2)))))) (\lambda X0 : \iota.r1_xxreal_0 (k1_real_1 (k17_euclid X0)) (k18_euclid X0)) (\lambda X0 : \iota.X0)) (k15_euclid np_2)) \wedge (m1_subset_1 (ReplSep (toset (\lambda X0 : \iota.m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2)))))) (\lambda X0 : \iota.r1_xxreal_0 (k1_real_1 (k17_euclid X0)) (k18_euclid X0)) (\lambda X0 : \iota.X0)) (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \wedge ((v4_pre_topc (ReplSep (toset (\lambda X0 : \iota.m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2)))))) (\lambda X0 : \iota.r1_xxreal_0 (k18_euclid X0) (k1_real_1 (k17_euclid X0))) (\lambda X0 : \iota.X0)) (k15_euclid np_2)) \wedge (m1_subset_1 (ReplSep (toset (\lambda X0 : \iota.m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2)))))) (\lambda X0 : \iota.r1_xxreal_0 (k18_euclid X0) (k1_real_1 (k17_euclid X0))) (\lambda X0 : \iota.X0)) (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2))))))$