

t74_jgraph_6

(TMHb4DLQSVSJvG58o3zWUHKZcYAhmQBmgY)

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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 $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_compts_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_topreal2 : \iota \Rightarrow o$ be given. Let $r1_jordan6 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\
 & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\
 & (\forall X2.((\neg v1_xboole_0 X2) \wedge ((v2_compts_1 X2 (k15_euclid \\
 & np_2)) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\
 & np_2)))))) \Rightarrow (((v1_topreal2 X2) \wedge ((X0 \in X2) \wedge (X1 \in X2))) \Rightarrow ((r1_jordan6 \\
 & X2 X0 X1) \vee (r1_jordan6 X2 X1 X0))))))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\
 & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\
 & (\forall X2.(m1_subset_1 X2 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\
 & (\forall X3.((\neg v1_xboole_0 X3) \wedge ((v2_compts_1 X3 (k15_euclid \\
 & np_2)) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\
 & np_2)))))) \Rightarrow (\neg (v1_topreal2 X3) \wedge ((X0 \in X3) \wedge ((X1 \in X3) \wedge ((X2 \in X3) \wedge \\
 & ((\neg (r1_jordan6 X3 X0 X1) \wedge (r1_jordan6 X3 X1 X2)) \wedge ((\neg (r1_jordan6 \\
 & X3 X0 X2) \wedge (r1_jordan6 X3 X2 X1)) \wedge ((\neg (r1_jordan6 X3 X1 X0) \wedge (r1_jordan6 \\
 & X3 X0 X2)) \wedge ((\neg (r1_jordan6 X3 X1 X2) \wedge (r1_jordan6 X3 X2 X0)) \wedge ((\neg (\\
 & r1_jordan6 X3 X2 X0) \wedge (r1_jordan6 X3 X0 X1)) \wedge (\neg (r1_jordan6 X3 X2 \\
 & X1) \wedge (r1_jordan6 X3 X1 X0))))))))))
 \end{aligned}$$