

t35_jgraph_6

(TMJ8RywzRvYsuQiaGFPbsAMy4DHB67Dzvcs)

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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 $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (2)$$

Theorem 1

$$\begin{aligned} & ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (u1_struct_0 (k15_euclid \\ & \quad np_2)))) (\lambda X0 : \iota. \neg(\neg(k1_real_1 np_1 = k17_euclid X0) \wedge (\\ & \quad (r1_xxreal_0 (k1_real_1 np_1) (k18_euclid X0)) \wedge (r1_xxreal_0 \\ & (k18_euclid X0) np_1))) \wedge (\neg(k17_euclid X0 = np_1) \wedge ((r1_xxreal_0 \\ & \quad (k1_real_1 np_1) (k18_euclid X0)) \wedge (r1_xxreal_0 (k18_euclid \\ & X0) np_1))) \wedge (\neg(k1_real_1 np_1 = k18_euclid X0) \wedge ((r1_xxreal_0 \\ & \quad (k1_real_1 np_1) (k17_euclid X0)) \wedge (r1_xxreal_0 (k17_euclid \\ & X0) np_1))) \wedge (\neg(np_1 = k18_euclid X0) \wedge ((r1_xxreal_0 (k1_real_1 \\ & \quad np_1) (k17_euclid X0)) \wedge (r1_xxreal_0 (k17_euclid X0) np_1)))))) \\ & (\lambda X0 : \iota. X0) = ReplSep (toset (\lambda X0 : \iota. m1_subset_1 X0 (\\ & \quad u1_struct_0 (k15_euclid np_2)))) (\lambda X0 : \iota. \neg(\neg(k17_euclid \\ & X0 = k1_real_1 np_1) \wedge ((r1_xxreal_0 (k1_real_1 np_1) (k18_euclid \\ & X0)) \wedge (r1_xxreal_0 (k18_euclid X0) np_1))) \wedge (\neg(k18_euclid X0 = \\ & np_1) \wedge ((r1_xxreal_0 (k1_real_1 np_1) (k17_euclid X0)) \wedge (r1_xxreal_0 \\ & (k17_euclid X0) np_1))) \wedge (\neg(k17_euclid X0 = np_1) \wedge ((r1_xxreal_0 \\ & \quad (k1_real_1 np_1) (k18_euclid X0)) \wedge (r1_xxreal_0 (k18_euclid \\ & X0) np_1))) \wedge (\neg(k18_euclid X0 = k1_real_1 np_1) \wedge ((r1_xxreal_0 \\ & \quad (k1_real_1 np_1) (k17_euclid X0)) \wedge (r1_xxreal_0 (k17_euclid \\ & X0) np_1)))))) (\lambda X0 : \iota. X0) \end{aligned}$$