

l44_jgraph_2

(TMW7jvaT1W17Xo84kFJ2sqC7iCNtbXNZXxu)

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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 $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k5_algstr_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k17_euclid (k5_algstr_0 (k15_euclid np_2) X0 X1) = k9_real_1 \\ & (k17_euclid X0) (k17_euclid X1)) \wedge (k18_euclid (k5_algstr_0 (k15_euclid \\ & np_2) X0 X1) = k9_real_1 (k18_euclid X0) (k18_euclid X1)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k18_euclid (k5_algstr_0 (k15_euclid np_2) X0 X1) = k9_real_1 \\ & (k18_euclid X0) (k18_euclid X1)) \wedge (k17_euclid (k5_algstr_0 (k15_euclid \\ & np_2) X0 X1) = k9_real_1 (k17_euclid X0) (k17_euclid X1)))) \end{aligned}$$