l50_jgraph_2 (TMUXtVgme65Lzj8FLjXtggxju7NYthBwSFC)

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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 $k1\_real\_1 : \iota \Rightarrow \iota$ be given. Let $k17\_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow ((k1\_real\_1\ (k17\_euclid\ (k5\_algstr\_0\ (k15\_euclid\ np\_\_2)\ X0\ X1)) = k9\_real\_1\ (k1\_real\_1\ (k17\_euclid\ X0))\ (k1\_real\_1\ (k17\_euclid\ X1))) \wedge (k18\_euclid\ (k5\_algstr\_0\ (k15\_euclid\ np\_\_2)\ X0\ X1) = k9\_real\_1\ (k18\_euclid\ X0)\ (k18\_euclid\ X1))))) \tag{1}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow ((k18\_euclid\ (k5\_algstr\_0\ (k15\_euclid\ np\_\_2)\ X0\ X1) = k9\_real\_1\ (k18\_euclid\ X0)\ (k18\_euclid\ X1)) \wedge (k1\_real\_1\ (k17\_euclid\ (k5\_algstr\_0\ (k15\_euclid\ np\_\_2)\ X0\ X1)) = k9\_real\_1\ (k1\_real\_1\ (k17\_euclid\ X0))\ (k1\_real\_1\ (k17\_euclid\ X1)))))$$