

t47_fvaluat1
(TMV8fAr79ruVbZf6bfd0GtgDtZ6MZuHSehQ)

October 27, 2020

Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l6_algstr_0 : \iota \Rightarrow o$ be given. Let $m1_fvaluat1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k6_fvaluat1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge (l6_algstr_0 X0)) \Rightarrow (\forall X1. \\ & (m1_fvaluat1 X1 X0) \Rightarrow (k6_fvaluat1 X0 X1 = ReplSep (toset (\lambda X2 : \\ & \quad \iota.m1_subset_1 X2 (u1_struct_0 X0))) (\lambda X2 : \iota.r1_xxreal_0 \\ & \quad k6_numbers (k3_funct_2 (u1_struct_0 X0) k7_numbers X1 X2)) (\lambda X2 : \\ & \quad \quad \iota.X2))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge (l6_algstr_0 X0)) \Rightarrow (\forall X1. \\ & (m1_fvaluat1 X1 X0) \Rightarrow (\forall X2. (m1_subset_1 X2 (u1_struct_0 \\ & X0)) \Rightarrow ((X2 \in k6_fvaluat1 X0 X1) \Leftrightarrow (r1_xxreal_0 k6_numbers (k3_funct_2 \\ & \quad (u1_struct_0 X0) k7_numbers X1 X2)))))) \end{aligned}$$