

t134_member_1

(TMc2zcBDGn5VmvRxxvs4TbKWXt31TPoKa7kV)

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Let $v2_membered : \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k16_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_numbers : \iota$ be given. Let $k1_xxreal_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k16_member_1 \\ X0 X1 = ReplSep (toset (\lambda X2 : \iota.m1_subset_1 X2 k7_numbers)) \quad (1) \\ (\lambda X2 : \iota.X2 \in X0) (\lambda X2 : \iota.k1_xxreal_3 X1 X2))) \end{aligned}$$

Theorem 1

$$\begin{aligned} \forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\forall X2. \\ \neg(X2 \in k16_member_1 X0 X1) \wedge (\forall X3.(m1_subset_1 X3 k7_numbers) \Rightarrow \\ (\neg(X2 = k1_xxreal_3 X1 X3) \wedge (X3 \in X0)))))) \end{aligned}$$