

t59_member_1 (TMTWwxntSaKxktZMApk- FePMHLk17fRmcnFb)

October 27, 2020

Let $v2_membered : \iota \Rightarrow o$ be given. Let $k4_member_1 : \iota \Rightarrow \iota$ be given. Let $k8_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v2_membered X1) \Rightarrow (k4_member_1 (k8_member_1 X0 X1) = k8_member_1 (k4_member_1 X0) (k4_member_1 X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (v2_membered (k4_member_1 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v2_membered X1) \Rightarrow (k10_member_1 X0 X1 = k8_member_1 X0 (k4_member_1 X1))) \quad (3)$$

Theorem 1

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v2_membered X1) \Rightarrow (k4_member_1 (k8_member_1 X0 X1) = k10_member_1 (k4_member_1 X0) X1))$$