

t172_member_1
(TMJbQZ1zHEYDWGwYGisjwSgU94TJvwBp4Ku)

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Let $v2_membered : \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k18_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_member_1 : \iota \Rightarrow \iota$ be given. Let $k20_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k20_member_1 X0 X1 = k4_member_1 (k18_member_1 X0 X1))) \quad (1)$$

Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.((v2_membered X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (v2_membered (k18_member_1 X0 X1)) \quad (3)$$

Theorem 1

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k18_member_1 X0 X1 = k4_member_1 (k20_member_1 X0 X1)))$$