t171_member_1 (TMH-PEm2d4WmpqwuJ2tWyhYyJhvczfBpJSze)

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Let $v2\_membered : \iota{\Rightarrow}o$ be given. Let $v1\_xxreal\_0 : \iota{\Rightarrow}o$ be given. Let $k20\_member\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k4\_member\_1 : \iota{\Rightarrow}\iota$ be given. Let $k18\_member\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k10\_member\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k8\_member\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k1\_tarski : \iota{\Rightarrow}\iota$ be given. Assume the following.

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(\forall X1.(v2\_membered\ X1){\Rightarrow}(k4\_member\_1 \\ (k10\_member\_1\ X0\ X1) = k8\_member\_1\ (k4\_member\_1\ X0)\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0){\Rightarrow}(v2\_membered\ (k1\_tarski\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(v2\_membered\ (k4\_member\_1\ X0)) \tag{3}$$

Assume the following.

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(\forall X1.(v2\_membered\ X1){\Rightarrow}(k10\_member\_1 \\ X0\ X1 = k8\_member\_1\ X0\ (k4\_member\_1\ X1))) \tag{4}$$

Assume the following.

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(\forall X1.(v1\_xxreal\_0\ X1){\Rightarrow}(k20\_member\_1 \\ X0\ X1 = k10\_member\_1\ X0\ (k1\_tarski\ X1))) \tag{5}$$

Assume the following.

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(\forall X1.(v1\_xxreal\_0\ X1){\Rightarrow}(k18\_member\_1 \\ X0\ X1 = k10\_member\_1\ (k1\_tarski\ X1)\ X0)) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((v2\_membered\ X0)\wedge(v2\_membered\ X1)){\Rightarrow}(\\ k8\_member\_1\ X0\ X1 = k8\_member\_1\ X1\ X0) \tag{7}$$

Theorem 1

$$\forall X0.(v2\_membered\ X0){\Rightarrow}(\forall X1.(v1\_xxreal\_0\ X1){\Rightarrow}(k20\_member\_1 \\ X0\ X1 = k4\_member\_1\ (k18\_member\_1\ X0\ X1)))$$