

t7_membered
(TMLxDGfn74qaoc1yj1dnP3JJJYWa99rnXHz)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_membered : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_membered X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow (v1_xcmplx_0 X1)) \quad (2)$$

Theorem 1

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_membered X0)) \Rightarrow (\exists X1. (v1_xcmplx_0 X1) \wedge (X1 \in X0))$$