

t14_membered
(TMbwP5aHpeW5R7yP9xgvUZptV9wPnXqoeLL)

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Let $v2_membered : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k7_numbers : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Leftrightarrow (X2 \in X1)) \Rightarrow (X0 = X1) \quad (1)$$

Assume the following.

$$\forall X0. (v2_membered X0) \Leftrightarrow (\forall X1. (X1 \in X0) \Rightarrow (v1_xreal_0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. (v1_xreal_0 X0) \Leftrightarrow (X0 \in k7_numbers) \quad (3)$$

Theorem 1

$$\forall X0. (v2_membered X0) \Rightarrow ((\forall X1. (v1_xreal_0 X1) \Rightarrow (X1 \in X0)) \Rightarrow (X0 = k7_numbers))$$