

t8\_ordinal2 (TM-  
biw8ioEymyQ6SmtUtUEGkGwRDzQa7T8fpY)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k2\_ordinal1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (v3\_ordinal1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k2\_ordinal1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((X2 \in X0) \wedge (v3\_ordinal1 X2))) \quad (2)$$

**Theorem 1**  $\forall X0. (v3\_ordinal1 X0) \Rightarrow (k2\_ordinal1 X0 = X0)$ .