

t11\_ordinal2  
(TMYpGdigkngPcptdDdzPfszfvK9ABWTnua3)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_ordinal1 : \iota \Rightarrow \iota$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v4\_ordinal1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k3\_ordinal1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((X2 \in X0) \wedge (\exists X3. (v3\_ordinal1 X3) \wedge ((X2 = X3) \wedge (v4\_ordinal1 X3)))))) \tag{2}$$

**Theorem 1**

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (r1\_tarski (k3\_ordinal1 X0) (k3\_ordinal1 X1))$$