

t15\_ordinal3  
(TMPyccxp2xd574ETqCtSdnPAg5a6hPiqsM7)

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Let  $np_{-1} : \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_ordinal1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.k2\_xboole\_0 X0 k1\_xboole\_0 = X0 \quad (1)$$

Assume the following.

$$np_{-1} = k1\_ordinal1 k1\_xboole\_0 \quad (2)$$

Assume the following.

$$\forall X0.k1\_ordinal1 X0 = k2\_xboole\_0 X0 (k1\_tarski X0) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.k2\_xboole\_0 X0 X1 = k2\_xboole\_0 X1 X0 \quad (4)$$

**Theorem 1**  $np_{-1} = k1\_tarski k1\_xboole\_0$ .