

t1\_ordinal6 (TMPGc-  
ceF5kyRfgwDN9ZnhBhuQsQtaZxNndA)

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Let  $v1\_ordinal6 : \iota \Rightarrow o$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_tarSKI : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \neg(\forall X1. (X1 \in X0) \Rightarrow (v3\_ordinal1 X1)) \wedge (\forall X1. (v3\_ordinal1 X1) \Rightarrow (\neg r1\_tarSKI X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (v3\_ordinal1 X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarSKI X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

Assume the following.

$$\forall X0. (v1\_ordinal6 X0) \Leftrightarrow (\exists X1. (v3\_ordinal1 X1) \wedge (r1\_tarSKI X0 X1)) \quad (4)$$

**Theorem 1**  $\forall X0. (v1\_ordinal6 X0) \Leftrightarrow (\forall X1. (X1 \in X0) \Rightarrow (v3\_ordinal1 X1)).$