

t33\_classes1  
(TMZ6717bsoSaw6WC3esKbM4p9vapvT2fAYa)

October 27, 2020

Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_classes1 : \iota \Rightarrow \iota$  be given. Let  $k1\_ordinal1 : \iota \Rightarrow \iota$  be given. Let  $v1\_ordinal1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow ((r1\_tarski X0 (k4\_classes1 X1)) \Leftrightarrow (X0 \in k4\_classes1 (k1\_ordinal1 X1))) \quad (1)$$

Assume the following.

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow (v1\_ordinal1 (k4\_classes1 X0)) \quad (2)$$

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.

$$\forall X0. (v1\_ordinal1 X0) \Leftrightarrow (\forall X1. (X1 \in X0) \Rightarrow (r1\_tarski X1 X0)) \quad (4)$$

**Theorem 1**

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow (r1\_tarski (k4\_classes1 X0) (k4\_classes1 (k1\_ordinal1 X0)))$$