

t25\_classes1  
(TMQ6NrPQunWG2PjEV8bVA2NgUHSHTRWAJCx)

October 27, 2020

Let  $k1\_classes1 : \iota \Rightarrow \iota$  be given. Let  $r2\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r2\_wellord2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_card\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (r2\_wellord2 X0 X1) \Leftrightarrow (k1\_card\_1 X0 = k1\_card\_1 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in k1\_classes1 X1) \Rightarrow (k1\_card\_1 X0 \in k1\_card\_1 (k1\_classes1 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r2\_wellord2 X0 X1) \Leftrightarrow (r2\_tarski X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (4)$$

**Theorem 1**

$$\forall X0. \forall X1. \neg (X0 \in k1\_classes1 X1) \wedge (r2\_tarski X0 (k1\_classes1 X1))$$