

t1_waybel12
(TMcf21PkLS95fmjrtHiEciAypKAGcv4rv5t)

October 27, 2020

Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $v4_card_3 : \iota \Rightarrow o$ be given. Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_card_1 X1) \Rightarrow (\neg(r1_ordinal1 X1 (k1_card_1 X0)) \wedge (\forall X2. \neg(r1_tarski X2 X0) \wedge (k1_card_1 X2 = X1))) \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((r1_tarski X0 X1) \wedge (v4_card_3 X1)) \Rightarrow (v4_card_3 X0) \quad (3)$$

Assume the following.

$$\forall X0. v1_card_1 (k1_card_1 X0) \quad (4)$$

Assume the following.

$$\forall X0. (v4_card_3 X0) \Leftrightarrow (r1_ordinal1 (k1_card_1 X0) k4_ordinal1) \quad (5)$$

Theorem 1

$$\forall X0. \forall X1. ((r1_ordinal1 (k1_card_1 X0) (k1_card_1 X1)) \wedge (v4_card_3 X1)) \Rightarrow (v4_card_3 X0)$$