

t17_classes2

(TMdV9yxo8NcpgHKuhtzkvqpFhhq3Mv4W4PR)

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Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $v2_classes1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.((v2_classes1 X1) \wedge (X0 \in X1)) \Rightarrow ((k1_ordinal1 X0 \in X1) \wedge (r1_tarski X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_card_1 X0) \Rightarrow (v3_ordinal1 X0) \quad (2)$$

Theorem 1

$$\forall X0.(v1_card_1 X0) \Rightarrow (\forall X1.((v2_classes1 X1) \wedge (X0 \in X1)) \Rightarrow (r1_tarski X0 X1))$$