

t20_classes1 (TMPqotbsFevDcVmzmVMRmYZt- gwXWQZHaiuJ)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k3_classes1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_classes1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \neg(X0 \in X1) \wedge (r1_tarski X1 X0) \quad (1)$$

Assume the following.

$$\forall X0. \exists X1. (v3_ordinal1 X1) \wedge (k3_classes1 X0 X1 = k1_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0 : \iota \Rightarrow o. (\exists X1. (v3_ordinal1 X1) \wedge (X0 X1)) \Rightarrow (\exists X1. (v3_ordinal1 X1) \wedge ((X0 X1) \wedge (\forall X2. (v3_ordinal1 X2) \Rightarrow ((X0 X2) \Rightarrow (r1_ordinal1 X1 X2)))))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. ((v3_ordinal1 X0) \wedge (v3_ordinal1 X1)) \Rightarrow ((r1_ordinal1 X0 X1) \Leftrightarrow (r1_tarski X0 X1)) \quad (4)$$

Theorem 1

$$\forall X0. \exists X1. (v3_ordinal1 X1) \wedge ((k3_classes1 X0 X1 = k1_classes1 X0) \wedge (\forall X2. (v3_ordinal1 X2) \Rightarrow (\neg(X2 \in X1) \wedge (k3_classes1 X0 X2 = k1_classes1 X0))))$$