

t54_classes1 (TM-
FwZ1AhkNa7Zbd9AkGr1obK8GqN4KhZgG)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $k5_classes1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. ((r1_tarski X0 X1) \wedge (v1_ordinal1 X1)) \Rightarrow (r1_tarski (k5_classes1 X0) X1) \quad (1)$$

Assume the following.

$$\forall X0. r1_tarski X0 (k5_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0. v1_ordinal1 (k5_classes1 X0) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. ((\forall X2. ((r1_tarski X0 X2) \wedge (v1_ordinal1 X2)) \Rightarrow (r1_tarski X1 X2)) \wedge ((r1_tarski X0 X1) \wedge (v1_ordinal1 X1))) \Rightarrow (k5_classes1 X0 = X1)$$