

t67\_classes1  
(TMGVkaV85qHe3bCkipyHMs5e2zT6qayV2up)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_classes1 : \iota \Rightarrow \iota$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k4\_classes1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X2)) \Rightarrow (r1\_tarski X0 X2) \quad (1)$$

Assume the following.

$$\forall X0. v3\_ordinal1 (k6\_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow ((X1 = k6\_classes1 X0) \Leftrightarrow ((r1\_tarski X0 (k4\_classes1 X1)) \wedge (\forall X2. (v3\_ordinal1 X2) \Rightarrow ((r1\_tarski X0 (k4\_classes1 X2)) \Rightarrow (r1\_ordinal1 X1 X2))))) \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (r1\_ordinal1 (k6\_classes1 X0) (k6\_classes1 X1))$$