

t49\_classes2 (TMcRZLjYmR-  
CLBaWcXbCE5DzU1b3e1saUiaX)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v1\_classes2 : \iota \Rightarrow o$  be given. Let  $k1\_classes1 : \iota \Rightarrow \iota$  be given. Let  $v1\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k3\_classes1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v2\_ordinal1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_ordinal1 X0) \Rightarrow (v1\_classes2 (k1\_classes1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.\exists X1.(v3\_ordinal1 X1) \wedge (k3\_classes1 X0 X1 = k1\_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0.(v3\_ordinal1 X0) \Rightarrow ((v1\_ordinal1 X0) \wedge (v2\_ordinal1 X0)) \quad (3)$$

**Theorem 1**  $\forall X0.(v3\_ordinal1 X0) \Rightarrow (v1\_classes2 (k1\_classes1 X0))$ .