

# t47\_classes2 (TMPGusSJPCT- BQDE7AvsrLmpjptHgn4QTXRm)

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

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

Assume the following.

$$\forall X0.v2\_classes1 (k1\_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0.((v1\_ordinal1 X0) \wedge (v2\_classes1 X0)) \Rightarrow (v1\_classes2 X0) \quad (3)$$

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