

t5\_algseq\_1 (TMNCsuxxqmc-  
skCMHWC9bPnuhdnowjb1UhFg)

October 27, 2020

Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k7\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $k6\_card\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k7\_card\_1 X0 = k6\_card\_1 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k6\_card\_1 X0 = X0) \quad (2)$$

**Theorem 1**

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((k7\_card\_1 X0 = k7\_card\_1 X1) \Rightarrow (X0 = X1)))$$