t16_afinsq_1 (TMdKL-HyUMKkvM2NVK8bb4WS6haAiMZqCL83)

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Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $m1\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_finseq\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_relat\_1\ k1\_xboole\_0) \wedge ((v5\_relat\_1\ k1\_xboole\_0\ X0) \wedge ((v1\_funct\_1\ k1\_xboole\_0) \wedge (v5\_ordinal1\ k1\_xboole\_0))) \tag{1}$$

Assume the following.

$$\forall X0.\exists X1.(m1\_finseq\_1\ X1\ X0) \wedge ((v1\_relat\_1\ X1) \wedge ((v4\_relat\_1\ X1\ k5\_numbers) \wedge ((v5\_relat\_1\ X1\ X0) \wedge ((v1\_funct\_1\ X1) \wedge ((v1\_xboole\_0\ X1) \wedge ((v1\_finset\_1\ X1) \wedge (v1\_finseq\_1\ X1))))))) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{3}$$

Theorem 1

$$\forall X0.(v1\_relat\_1\ k1\_xboole\_0) \wedge ((v5\_relat\_1\ k1\_xboole\_0\ X0) \wedge ((v5\_ordinal1\ k1\_xboole\_0) \wedge ((v1\_funct\_1\ k1\_xboole\_0) \wedge (v1\_finset\_1\ k1\_xboole\_0))))$$