t19_comput_1 (TMaTGbK31pqdSK51PFyRFeKTUreov1r5rH5)

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Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v2\_margrel1 : \iota \Rightarrow o$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k18\_margrel1 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_card\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finseq\_1 : \iota \Rightarrow o$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$k1\_card\_1\ k1\_xboole\_0 = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finseq\_1\ X0))) \Rightarrow (k3\_finseq\_1\ X0 = k1\_card\_1\ X0) \tag{3}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{4}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge (v2\_margrel1\ X0)) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (((\exists X2.((v1\_relat\_1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_finseq\_1\ X2))) \wedge (X2 \in k9\_xtuple\_0\ X0)) \Rightarrow ((X1 = k18\_margrel1\ X0) \Leftrightarrow (\forall X2.((v1\_relat\_1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_finseq\_1\ X2))) \Rightarrow ((X2 \in k9\_xtuple\_0\ X0) \Rightarrow (X1 = k3\_finseq\_1\ X2))))) \wedge ((\forall X2.((v1\_relat\_1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_finseq\_1\ X2))) \Rightarrow (\neg X2 \in k9\_xtuple\_0\ X0)) \Rightarrow ((X1 = k18\_margrel1\ X0) \Leftrightarrow (X1 = k6\_numbers))))) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1\_tarski\ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (v7\_ordinal1\ X0) \tag{7}$$

Theorem 1

$$\forall X0.((v1\_relat\_1\ X0) \wedge (v2\_margrel1\ X0)) \Rightarrow ((k9\_xtuple\_0\ X0 = k1\_tarski\ k1\_xboole\_0) \Rightarrow (k18\_margrel1\ X0 = k6\_numbers))$$