

t26\_comput\_1  
(TMGXPMKF4sqTb1ATdpdJTuuJyqg49qiyTMV)

October 27, 2020

Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $v3\_comput\_1 : \iota \Rightarrow o$  be given. Let  $k3\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k1\_comput\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k1\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_card\_1 : \iota \Rightarrow o$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $v2\_margrel1 : \iota \Rightarrow o$  be given. Let  $k19\_margrel1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1\_xboole\_0 X1) \quad (1)$$

Assume the following.

$$m1\_subset\_1 k1\_xboole\_0 k4\_ordinal1 \quad (2)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (3)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \quad (4)$$

Assume the following.

$$\forall X0. ((v1\_relat\_1 X0) \wedge ((v1\_funct\_1 X0) \wedge (v1\_finseq\_1 X0))) \Rightarrow (k3\_finseq\_1 X0 = k1\_card\_1 X0) \quad (5)$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow ((\neg v1\_xboole\_0 (k1\_card\_1 X0)) \wedge (v1\_card\_1 (k1\_card\_1 X0))) \quad (6)$$

Assume the following.

$$v1\_xboole\_0 k1\_xboole\_0 \quad (7)$$

Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (v1\_xboole\_0 (k10\_xtuple\_0 X0)) \quad (8)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1\_relat\_1 X0) \wedge (v3\_comput\_1 X0)) \Rightarrow (\forall X1.( \\ & \quad m1\_subset\_1 X1 k5\_numbers) \Rightarrow (((\exists X2.((v1\_relat\_1 X2) \wedge ( \\ & \quad (v1\_funct\_1 X2) \wedge (v2\_margrel1 X2))) \wedge (X2 \in k10\_xtuple\_0 X0)) \Rightarrow ( \\ & \quad (X1 = k1\_comput\_1 X0) \Leftrightarrow (\forall X2.((v1\_relat\_1 X2) \wedge ((v1\_funct\_1 \\ & \quad X2) \wedge (v2\_margrel1 X2)))) \Rightarrow ((X2 \in k10\_xtuple\_0 X0) \Rightarrow (X1 = k19\_margrel1 \\ & \quad X2)))))) \wedge ((\forall X2.((v1\_relat\_1 X2) \wedge ((v1\_funct\_1 X2) \wedge (v2\_margrel1 \\ & \quad X2)))) \Rightarrow (\neg X2 \in k10\_xtuple\_0 X0)) \Rightarrow ((X1 = k1\_comput\_1 X0) \Leftrightarrow (X1 = k6\_numbers)))))) \\ & \hspace{15em} (9) \end{aligned}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.((v1\_relat\_1 X0) \wedge ((v1\_funct\_1 X0) \wedge ((v1\_finseq\_1 \\ & \quad X0) \wedge (v3\_comput\_1 X0)))) \Rightarrow ((k3\_finseq\_1 X0 = k6\_numbers) \Rightarrow (k1\_comput\_1 \\ & \quad X0 = k6\_numbers)) \end{aligned}$$