

t43\_comput\_1  
(TMGs1pkRqfPASQyBxqmBhf8V3g9sjQWQGe6)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_finseq\_2 : \iota \Rightarrow \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v4\_valued\_0 : \iota \Rightarrow o$  be given. Let  $v2\_margrel1 : \iota \Rightarrow o$  be given. Let  $k1\_comput\_1 : \iota \Rightarrow \iota$  be given. Let  $k9\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k19\_margrel1 : \iota \Rightarrow \iota$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $k4\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k5\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $v3\_comput\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. ((v1\_relat\_1 X1) \wedge ((v1\_funct\_1 X1) \wedge (v1\_finseq\_1 X1))) \Rightarrow ((X1 = k9\_finseq\_1 X0) \Leftrightarrow ((k4\_finseq\_1 X1 = k2\_finseq\_1 np\_1) \wedge (k10\_xtuple\_0 X1 = k1\_tarski X0))) \quad (1)$$

Assume the following.

$$\forall X0. k9\_finseq\_1 X0 = k5\_finseq\_1 X0 \quad (2)$$

Assume the following.

$$\forall X0. ((v1\_relat\_1 X0) \wedge ((v4\_relat\_1 X0 (k3\_finseq\_2 k5\_numbers)) \wedge ((v1\_funct\_1 X0) \wedge (v2\_margrel1 X0)))) \Rightarrow (v3\_comput\_1 (k5\_finseq\_1 X0)) \quad (3)$$

Assume the following.

$$\forall X0. v1\_finseq\_1 (k5\_finseq\_1 X0) \quad (4)$$

Assume the following.

$$\forall X0. (v1\_relat\_1 (k5\_finseq\_1 X0)) \wedge (v1\_funct\_1 (k5\_finseq\_1 X0)) \quad (5)$$

Assume the following.

$$\forall X0. ((v1\_relat\_1 X0) \wedge ((v1\_funct\_1 X0) \wedge (v2\_margrel1 X0))) \Rightarrow (m1\_subset\_1 (k19\_margrel1 X0) k5\_numbers) \quad (6)$$

Assume the following.

$$\begin{aligned}
& \forall X0.((v1\_relat\_1 X0) \wedge (v3\_comput\_1 X0)) \Rightarrow (\forall X1. ( \\
& \quad m1\_subset\_1 X1 k5\_numbers) \Rightarrow (((\exists X2. ((v1\_relat\_1 X2) \wedge ( \\
& \quad v1\_funct\_1 X2) \wedge (v2\_margrel1 X2))) \wedge (X2 \in k10\_xtuple\_0 X0)) \Rightarrow ( \\
& \quad (X1 = k1\_comput\_1 X0) \Leftrightarrow (\forall X2. ((v1\_relat\_1 X2) \wedge ((v1\_funct\_1 \\
& \quad X2) \wedge (v2\_margrel1 X2)))) \Rightarrow ((X2 \in k10\_xtuple\_0 X0) \Rightarrow (X1 = k19\_margrel1 \\
& \quad X2)))) \wedge ((\forall X2. ((v1\_relat\_1 X2) \wedge ((v1\_funct\_1 X2) \wedge (v2\_margrel1 \\
& \quad X2)))) \Rightarrow (\neg X2 \in k10\_xtuple\_0 X0)) \Rightarrow ((X1 = k1\_comput\_1 X0) \Leftrightarrow (X1 = k6\_numbers))))))
\end{aligned} \tag{7}$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{8}$$

**Theorem 1**

$$\begin{aligned}
& \forall X0. ((v1\_relat\_1 X0) \wedge ((v4\_relat\_1 X0 (k3\_finseq\_2 k5\_numbers)) \wedge \\
& ((v1\_funct\_1 X0) \wedge ((v4\_valued\_0 X0) \wedge (v2\_margrel1 X0)))))) \Rightarrow (k1\_comput\_1 \\
& \quad (k9\_finseq\_1 X0) = k19\_margrel1 X0)
\end{aligned}$$