

## l24\_scmfsa\_1

(TMZvvJQ8rq2AmKCvCW5gpPHWpjNEzBiRLob)

October 27, 2020

Let  $k1\_afinsq\_1 : \iota \Rightarrow \iota$  be given. Let  $k7\_afinsq\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k4\_numbers : \iota$  be given. Let  $k3\_finseq\_2 : \iota \Rightarrow \iota$  be given. Let  $np\_3 : \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  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  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $np\_2 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1\_relat\_1 X3) \wedge \\ & ((v5\_ordinal1 X3) \wedge ((v1\_funct\_1 X3) \wedge (v1\_finset\_1 X3)))) \Rightarrow ((X3 = \\ & k7\_afinsq\_1 X0 X1 X2) \Leftrightarrow ((k1\_afinsq\_1 X3 = np\_3) \wedge ((k1\_funct\_1 X3 \\ & k6\_numbers = X0) \wedge ((k1\_funct\_1 X3 np\_1 = X1) \wedge (k1\_funct\_1 X3 np\_2 = \\ & X2)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v5\_ordinal1 (k7\_afinsq\_1 X0 X1 X2)) \wedge (v1\_finset\_1 (k7\_afinsq\_1 X0 X1 X2)) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1\_relat\_1 (k7\_afinsq\_1 X0 X1 X2)) \wedge (v1\_funct\_1 (k7\_afinsq\_1 X0 X1 X2)) \tag{3}$$

### Theorem 1

$$k1\_afinsq\_1 (k7\_afinsq\_1 k5\_numbers k4\_numbers (k3\_finseq\_2 k4\_numbers)) = np\_3$$