t57_sf_mastr (TM-RzeSKbf2Nw13UAMvrM5KRxe3AhiKMDVLL)

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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 $k5\_numbers : \iota$ be given. Let $v5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_compos\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_scmfsa\_2 : \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k6\_sf\_mastr : \iota \Rightarrow \iota$ be given. Let $k4\_sf\_mastr : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k3\_scmfsa\_2 : \iota$ be given. Let $k3\_scmfsa\_m : \iota \Rightarrow \iota$ be given. Let $m1\_scmfsa\_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((v1\_finset\_1\ X0) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k3\_scmfsa\_2))) \Rightarrow (\neg k3\_scmfsa\_m\ X0 \in X0) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v4\_relat\_1\ X0\ k5\_numbers) \wedge ((v5\_relat\_1\ X0\ (u1\_compos\_1\ k1\_scmfsa\_2)) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finset\_1\ X0))))) \Rightarrow (m1\_scmfsa\_2\ (k6\_sf\_mastr\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v4\_relat\_1\ X0\ k5\_numbers) \wedge ((v5\_relat\_1\ X0\ (u1\_compos\_1\ k1\_scmfsa\_2)) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finset\_1\ X0))))) \Rightarrow (\forall X1.(m1\_scmfsa\_2\ X1) \Rightarrow ((X1 = k6\_sf\_mastr\ X0) \Leftrightarrow (\exists X2.((v1\_finset\_1\ X2) \wedge (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ k3\_scmfsa\_2))) \wedge ((X2 = k4\_sf\_mastr\ X0) \wedge (X1 = k3\_scmfsa\_m\ X2))))) \tag{3}$$

Theorem 1

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v4\_relat\_1\ X0\ k5\_numbers) \wedge ((v5\_relat\_1\ X0\ (u1\_compos\_1\ k1\_scmfsa\_2)) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finset\_1\ X0))))) \Rightarrow (\neg k6\_sf\_mastr\ X0 \in k4\_sf\_mastr\ X0)$$