t20_armstrng (TMVAcixdBxjj2utwPzJZEG1gG126jEbCanh)

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Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9\_setfam\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.k9\_setfam\_1\ X0 = k1\_zfmisc\_1\ X0 \tag{1}$$

Assume the following.

$$\forall X0.(v1\_finset\_1\ X0) \Rightarrow (v1\_finset\_1\ (k1\_zfmisc\_1\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_finset\_1\ X0) \wedge (v1\_finset\_1\ X1)) \Rightarrow (v1\_finset\_1\ (k2\_zfmisc\_1\ X0\ X1)) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_finset\_1\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (v1\_finset\_1\ X1)) \tag{4}$$

Theorem 1

$$\forall X0.(v1\_finset\_1\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k9\_setfam\_1\ X0)\ (k9\_setfam\_1\ X0)))) \Rightarrow (v1\_finset\_1\ X1))$$