# t96_flang_3 (TMJM1p5jiHRBCJgDnbAvKD2ojG9JG49MfT6)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k8\_afinsq\_1 : \iota \Rightarrow \iota$ be given. Let $k5\_afinsq\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_flang\_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k7\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_flang\_1 : \iota \Rightarrow \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k8\_afinsq\_1\ X1))) \Rightarrow (\forall X3.(v7\_ordinal1\ X3) \Rightarrow ((k5\_afinsq\_1\ X0 \in k7\_flang\_1\ X1\ X2\ X3) \Leftrightarrow ((k5\_afinsq\_1\ X0 \in X2) \wedge (((k2\_flang\_1\ X1 \in X2) \wedge (\neg r1\_xxreal\_0\ X3\ np\_\_1)) \vee (X3 = np\_\_1))))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k8\_afinsq\_1\ X0))) \Rightarrow (r1\_tarski\ X1\ (k2\_flang\_3\ X0\ X1)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k8\_afinsq\_1\ X0))) \Rightarrow ((X1 \in k2\_flang\_3\ X0\ X2) \Leftrightarrow (\exists X3.(v7\_ordinal1\ X3) \wedge ((\neg r1\_xxreal\_0\ X3\ k6\_numbers) \wedge (X1 \in k7\_flang\_1\ X0\ X2\ X3)))) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{4}$$

**Theorem 1**

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k8\_afinsq\_1\ X0))) \Rightarrow ((k5\_afinsq\_1\ X1 \in k2\_flang\_3\ X0\ X2) \Leftrightarrow (k5\_afinsq\_1\ X1 \in X2))$$