t18_arytm_0 (TMZ8azaKFJAfHhffy8vsXMnn2qdWfcJUmUS)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k2\_arytm\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k4\_arytm\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (((X0 \neq k6\_numbers) \Rightarrow ((X1 = k4\_arytm\_0\ X0) \Leftrightarrow (k2\_arytm\_0\ X0\ X1 = np\_\_1))) \wedge ((X0 = k6\_numbers) \Rightarrow ((X1 = k4\_arytm\_0\ X0) \Leftrightarrow (X1 = k6\_numbers))))) \tag{1}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow (((k2\_arytm\_0\ X0\ X1 = np\_\_1) \wedge (k2\_arytm\_0\ X0\ X2 = np\_\_1)) \Rightarrow ((X0 = k6\_numbers) \vee (X1 = X2)))))$$