t38_normform (TMdtiTSeh7qa3jM6QcX7psmVAaih4BTo8ty)

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Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_finsub\_1 : \iota \Rightarrow \iota$ be given. Let $k7\_normform : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_normform : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.(m2\_subset\_1\ X1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))\ (k7\_normform\ X0)) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))\ (k7\_normform\ X0)) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ (k5\_finsub\_1\ (k7\_normform\ X0))) \Rightarrow ((X1 \in k9\_normform\ X0\ X3) \Rightarrow ((X1 \in X3) \wedge (((X2 \in X3) \wedge (r1\_normform\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X2\ X1)) \Rightarrow (X2 = X1)))))) \tag{1}$$

Theorem 1

$$\forall X0.\forall X1.(m2\_subset\_1\ X1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))\ (k7\_normform\ X0)) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))\ (k7\_normform\ X0)) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ (k5\_finsub\_1\ (k7\_normform\ X0))) \Rightarrow (((X1 \in k9\_normform\ X0\ X3) \wedge ((X2 \in X3) \wedge (r1\_normform\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X2\ X1))) \Rightarrow (X2 = X1))))$$