

t27\_normform  
(TMJTHLEcfPaFvSJM6FX2Bgroau7rrBojPKj)

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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  $k2\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (\neg(\neg r1\_xboole\_0 X0 X1) \wedge (\forall X2. \neg(X2 \in X0) \wedge (X2 \in X1))) \wedge (\neg(\exists X2. (X2 \in X0) \wedge (X2 \in X1))) \wedge (r1\_xboole\_0 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m2\_subset\_1 X1 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform X0)) \Rightarrow (r1\_xboole\_0 (k2\_domain\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0) X1) (k3\_domain\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0) X1)) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. (m2\_subset\_1 X1 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform X0)) \Rightarrow (\forall X2. \neg(X2 \in k2\_domain\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0) X1) \wedge (X2 \in k3\_domain\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0) X1))$$