

t12\_ideal\_1  
 (TMJs8eszQaU4gEfT6szbvG7GVhdnZS1jGeN)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $l6\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_ideal\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v3\_ideal\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_ideal\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2\_struct\_0 X0) \wedge (l6\_algstr\_0 X0)) \Rightarrow ((\neg v1\_xboole\_0 \\ &(u1\_struct\_0 X0)) \wedge ((v1\_ideal\_1 (u1\_struct\_0 X0) X0) \wedge ((v2\_ideal\_1 \\ &(u1\_struct\_0 X0) X0) \wedge ((v3\_ideal\_1 (u1\_struct\_0 X0) X0) \wedge (m1\_subset\_1 \\ &(u1\_struct\_0 X0) (k1\_zfmisc\_1 (u1\_struct\_0 X0))))))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} \forall X0. (&(\neg v2\_struct\_0 X0) \wedge (l6\_algstr\_0 X0)) \Rightarrow ((\neg v1\_xboole\_0 \\ &(u1\_struct\_0 X0)) \wedge ((v1\_ideal\_1 (u1\_struct\_0 X0) X0) \wedge ((v3\_ideal\_1 \\ &(u1\_struct\_0 X0) X0) \wedge (m1\_subset\_1 (u1\_struct\_0 X0) (k1\_zfmisc\_1 \\ &(u1\_struct\_0 X0)))))) \end{aligned}$$