

t39\_integra2 (TM-  
PLm5CTasAJnrd6v8BLj1LmXRJRVssKKu8)

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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  $k1\_numbers : \iota$  be given. Let  $k1\_integra2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k8\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & X1 (k1\_zfmisc\_1 k1\_numbers)) \Rightarrow (k1\_integra2 X1 X0 = ReplSep (toset \\ & (\lambda X2 : \iota.m1\_subset\_1 X2 k1\_numbers)) (\lambda X2 : \iota.X2 \in X1) \\ & (\lambda X2 : \iota.k8\_real\_1 X0 X2))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers)) \Rightarrow (\forall X1. \\ & (m1\_subset\_1 X1 k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1 X2 k1\_numbers) \Rightarrow \\ & (\neg(X2 \in k1\_integra2 X0 X1) \wedge (\forall X3.(m1\_subset\_1 X3 k1\_numbers) \Rightarrow \\ & (\neg(X3 \in X0) \wedge (X2 = k8\_real\_1 X1 X3)))))) \end{aligned}$$