

t24\_funct\_7  
(TMW6ihDS8juvwYCdu64vrxqJRtEzeFKUhQU)

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Let  $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_funct\_7 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. (X2 = k3\_xboole\_0 X0 X1) \Leftrightarrow (\forall X3. \\ (X3 \in X2) \Leftrightarrow ((X3 \in X0) \wedge (X3 \in X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (k1\_funct\_7 X0 X1 = X0) \quad (2)$$

**Theorem 1**

$$\begin{aligned} \forall X0. \forall X1. \forall X2. (X0 \in k3\_xboole\_0 X1 X2) \Rightarrow (k1\_funct\_7 \\ X0 X1 = k1\_funct\_7 X0 X2) \end{aligned}$$