

t62\_setlim\_1

(TMGZ4bqkr5ZUCrHCGzZiJxMRBwgwk7s6wg6)

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Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v2\_prob\_1 : \iota \Rightarrow o$  be given. Let  $k3\_kurato\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_prob\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_kurato\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_setlim\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 k5\_numbers \\ (k9\_setfam\_1 X0)) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ k5\_numbers (k9\_setfam\_1 X0)))))) \Rightarrow ((v2\_prob\_1 X1) \Rightarrow (k1\_kurato\_0 \\ X0 (k2\_setlim\_1 X0 X1) = k3\_prob\_1 X0 X1)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 k5\_numbers \\ (k9\_setfam\_1 X0)) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ k5\_numbers (k9\_setfam\_1 X0)))))) \Rightarrow (k3\_kurato\_0 X0 X1 = k1\_kurato\_0 \\ X0 (k2\_setlim\_1 X0 X1)) \end{aligned} \quad (2)$$

**Theorem 1**

$$\begin{aligned} \forall X0. \forall X1. ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 k5\_numbers \\ (k9\_setfam\_1 X0)) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ k5\_numbers (k9\_setfam\_1 X0)))))) \Rightarrow ((v2\_prob\_1 X1) \Rightarrow (k3\_kurato\_0 \\ X0 X1 = k3\_prob\_1 X0 X1)) \end{aligned}$$