

t65_setlim_1

(TMUmR232y78616sjbq1F3zjtgoq5e6ACok7)

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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 $v1_setlim.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_kurato.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_prob.1 : \iota \Rightarrow o$ be given. Let $k4_kurato.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_prob.1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_prob.1 : \iota \Rightarrow o$ be given. Let $k1_kurato.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v2_prob.1 X1) \Rightarrow ((v3_kurato.0 \\ X1 X0) \wedge (k4_kurato.0 X0 X1 = k3_prob.1 X0 X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v3_prob.1 X1) \Rightarrow ((v3_kurato.0 \\ X1 X0) \wedge (k4_kurato.0 X0 X1 = k1_kurato.0 X0 X1))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v1_setlim.1 X1 X0) \Leftrightarrow ((v3_prob.1 \\ X1) \vee (v2_prob.1 X1))) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v1_setlim.1 X1 X0) \Rightarrow (v3_kurato.0 \\ X1 X0)) \end{aligned}$$