

l10_prob_2

(TMSbT7GBDeUfWmxeWQPKEjZgQ4eXdqSP4Zx)

October 27, 2020

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 $v3_prob.1 : \iota \Rightarrow o$ be given. Let $v2_prob.1 : \iota \Rightarrow o$ be given. Let $k2_prob.1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v2_prob.1 X1) \Leftrightarrow (v3_prob.1 \\ (k2_prob.1 X0 X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. k9_setfam.1 X0 = k1_zfmisc.1 X0 \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow (k2_prob.1 X0 (k2_prob.1 X0 \\ X1) = X1) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v1_funct.1 (k2_prob.1 X0 \\ X1)) \wedge ((v1_funct.2 (k2_prob.1 X0 X1) k5_numbers (k9_setfam.1 X0)) \wedge \\ (m1_subset.1 (k2_prob.1 X0 X1) (k1_zfmisc.1 (k2_zfmisc.1 k5_numbers \\ (k9_setfam.1 X0)))))) \end{aligned} \quad (4)$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 k5_numbers \\ (k9_setfam.1 X0)) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 \\ k5_numbers (k9_setfam.1 X0)))))) \Rightarrow ((v3_prob.1 X1) \Leftrightarrow (v2_prob.1 \\ (k2_prob.1 X0 X1))) \end{aligned}$$