

l15_qmax_1

(TMQbt12B4hMcspC1BoUTYKonBFRUCuHHpa9)

October 27, 2020

Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k12_prob_1 : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k1_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $c3_qmax_1 : \iota$ be given. Let $k1_qmax_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $c2_qmax_1 : \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X1 X0)) \Rightarrow (k6_domain_1 X0 X1 = k1_tarski X1) \quad (2)$$

Assume the following.

$$\begin{aligned} & (k10_xtuple_0 (k6_domain_1 (k2_zfmisc_1 (k2_zfmisc_1 k5_numbers \\ & k5_numbers) (k1_zfmisc_1 (k2_zfmisc_1 k12_prob_1 k1_numbers))) \\ & (k1_domain_1 (k2_zfmisc_1 k5_numbers k5_numbers) (k1_zfmisc_1 \\ & (k2_zfmisc_1 k12_prob_1 k1_numbers)) (k1_domain_1 k5_numbers \\ & k5_numbers k6_numbers k6_numbers) c3_qmax_1)) = k6_domain_1 \\ & (k1_zfmisc_1 (k2_zfmisc_1 k12_prob_1 k1_numbers)) c3_qmax_1) \wedge \\ & (c3_qmax_1 \in k1_qmax_1 k1_numbers k12_prob_1) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0. \neg v1_xboole_0 (k1_zfmisc_1 X0) \quad (4)$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 c2_qmax_1) \wedge ((v1_funct_2 c2_qmax_1 k12_prob_1 \\ & k1_numbers) \wedge (m1_subset_1 c2_qmax_1 (k1_zfmisc_1 (k2_zfmisc_1 \\ & k12_prob_1 k1_numbers)))) \end{aligned} \quad (5)$$

Assume the following.

$$c3_qmax_1 = c2_qmax_1 \tag{6}$$

Theorem 1

*r1_tarski (k10_xtuple_0 (k6_domain_1 (k2_zfmisc_1 (k2_zfmisc_1
k5_numbers k5_numbers) (k1_zfmisc_1 (k2_zfmisc_1 k12_prob_1
k1_numbers))) (k1_domain_1 (k2_zfmisc_1 k5_numbers k5_numbers)
(k1_zfmisc_1 (k2_zfmisc_1 k12_prob_1 k1_numbers)) (k1_domain_1
k5_numbers k5_numbers k6_numbers k6_numbers) c3_qmax_1))) (*
k1_qmax_1 k1_numbers k12_prob_1)