

t57_flang_2

(TMViak2drAo5DgGMGGHTFrwMhdV5z226qBW)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k8_afinsq_1 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_flang_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (\forall X3. (v7_ordinal1 \\ & X3) \Rightarrow (((k2_flang_1 X0 \in X1) \wedge (r1_xxreal_0 X2 X3)) \Rightarrow (k1_flang_2 X0 \\ & \quad X1 X2 X3 = k7_flang_1 X0 X1 X3)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X3. (v7_ordinal1 X3) \Rightarrow ((k2_flang_1 X0 \in X1) \Rightarrow ((r1_tarski \\ & X2 (k6_flang_1 X0 X2 (k7_flang_1 X0 X1 X3)) \wedge (r1_tarski X2 (k6_flang_1 \\ & \quad X0 (k7_flang_1 X0 X1 X3) X2))))))))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X3. (v7_ordinal1 X3) \Rightarrow (\forall X4. (v7_ordinal1 \\ & X4) \Rightarrow (((r1_xxreal_0 X3 X4) \wedge (k2_flang_1 X0 \in X1)) \Rightarrow ((r1_tarski X2 \\ & (k6_flang_1 X0 X2 (k1_flang_2 X0 X1 X3 X4)) \wedge (r1_tarski X2 (k6_flang_1 \\ & \quad X0 (k1_flang_2 X0 X1 X3 X4) X2)))))))))) \end{aligned}$$