

t58_sppol_2 (TMPz-
grYYhn6QRNP71yfReNMvVudFFFjYT6i)

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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 $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_topreal4 : \iota \Rightarrow o$ be given. Let $r1_sppol_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ & \quad np_2)))) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid \\ & \quad np_2))) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 (k15_euclid \\ & \quad np_2))) \Rightarrow (\forall X3.(m1_subset_1 X3 (u1_struct_0 (k15_euclid \\ & \quad np_2))) \Rightarrow (\forall X4.(m1_subset_1 X4 (u1_struct_0 (k15_euclid \\ & \quad np_2)))) \Rightarrow (((r1_sppol_2 X1 X2 X0) \wedge ((X3 \in X0) \wedge (X4 \in X0))) \Rightarrow ((X3 = X4) \vee \\ & \quad (r1_sppol_2 X3 X4 X0)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ & \quad np_2)))) \Rightarrow ((v1_topreal4 X0) \Leftrightarrow (\exists X1.(m1_subset_1 X1 (u1_struct_0 \\ & \quad (k15_euclid np_2))) \wedge (\exists X2.(m1_subset_1 X2 (u1_struct_0 \\ & \quad (k15_euclid np_2))) \wedge (r1_sppol_2 X1 X2 X0))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ & \quad np_2)))) \Rightarrow ((v1_topreal4 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 \\ & \quad (k15_euclid np_2))) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 \\ & \quad (k15_euclid np_2)))) \Rightarrow (((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow ((X1 = X2) \vee (r1_sppol_2 \\ & \quad X1 X2 X0)))))) \end{aligned}$$