l72_sppol_2 (TMYE-FwV3B67obvhMRLQFB6n3TMMu3dbcfmR)

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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 $r1\_topreal4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))) \Rightarrow ((v1\_topreal4\ X0) \Leftrightarrow (\exists X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \wedge (\exists X2.(m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \wedge (\exists X3.(m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))) \wedge (\exists X4.(m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))) \wedge ((X1 \neq X2) \wedge ((X1 \in X0) \wedge ((X2 \in X0) \wedge ((r1\_topreal4\ X3\ X1\ X2) \wedge ((r1\_topreal4\ X4\ X1\ X2) \wedge ((k9\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X3\ X4 = k2\_tarski\ X1\ X2) \wedge (X0 = k4\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X3\ X4)))))))))))) \tag{1}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))) \Rightarrow (\neg(v1\_topreal4\ X0) \wedge (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\neg(X1 \neq X2) \wedge ((X1 \in X0) \wedge (X2 \in X0))))))$$