

t82_sprect_1 (TMYzkDKT- MEo3iLmdoMuz82r57LAT7KWyAyt)

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Let $v1_sprect_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $np_5 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_sprect_1 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_compts_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_sppol_1 : \iota \Rightarrow o$ be given. Let $v2_sppol_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (k3_finseq_1 (k1_sprect_1 X0) = np_5) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((v1_sprect_1 X0) \Leftrightarrow (\exists X1.((\neg v1_xboole_0 X1) \wedge ((v2_compts_1 \\ & X1 (k15_euclid np_2)) \wedge ((\neg v1_sppol_1 X1) \wedge ((\neg v2_sppol_1 X1) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))))))) \wedge \\ & (X0 = k1_sprect_1 X1))) \end{aligned} \quad (2)$$

Theorem 1

$$\forall X0.((v1_sprect_1 X0) \wedge (m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (k3_finseq_1 X0 = np_5)$$