

t4_euler_1 (TMJQTM-
FKt9UMjBtHdzKhGGJJ1txNnJ24Sh5)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (\forall X1.(v1_finset_1 X1) \Rightarrow ((r1_tarski X1 X0) \Rightarrow (k5_card_1 (k6_subset_1 X0 X1) = k6_xcmplx_0 (k5_card_1 X0) (k5_card_1 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (2)$$

Assume the following.

$$\forall X0.v1_finset_1 (k1_tarski X0) \quad (3)$$

Theorem 1

$$\forall X0.(v1_finset_1 X0) \Rightarrow (\forall X1.(X1 \in X0) \Rightarrow (k5_card_1 (k6_subset_1 X0 (k1_tarski X1)) = k6_xcmplx_0 (k5_card_1 X0) (k5_card_1 (k1_tarski X1))))$$