

t41_euclid_7 (TMXrZMgMqCEVsyeMS- dzo7jdgRSF1DWbo3zu)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k5_card.1 : \iota \Rightarrow \iota$ be given. Let $k8_euclid.7 : \iota \Rightarrow \iota$ be given. Let $v1_finset.1 : \iota \Rightarrow o$ be given. Let $k1_card.1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_finset.1 X0) \Rightarrow (k5_card.1 X0 = k1_card.1 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((v1_finset.1 (k8_euclid.7 X0)) \wedge (k1_card.1 (k8_euclid.7 X0) = X0)) \quad (2)$$

Theorem 1 $\forall X0.(v7_ordinal1 X0) \Rightarrow (k5_card.1 (k8_euclid.7 X0) = X0)$.