

# t3\_euclid.3 (TMbnt- FvSWnoyqmqWDM4PiDBRxbrfynEysJi)

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Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k1\_euclid\_3 : \iota \Rightarrow \iota$  be given. Let  $k2\_euclid\_3 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (k2\_euclid\_3 (k1\_euclid\_3 X0) = X0) \quad (1)$$

**Theorem 1**

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0 X1) \Rightarrow ((k1\_euclid\_3 X0 = k1\_euclid\_3 X1) \Rightarrow (X0 = X1)))$$