

## t17\_euclid\_3

(TMR6DgW2V63tpZX5LDy6N3mgUDqfnMQmP2u)

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Let  $k2\_euclid\_3 : \iota \Rightarrow \iota$  be given. Let  $k4\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k15\_euclid : \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k5\_complex1 : \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k1\_euclid\_3 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_numbers : \iota$  be given. Assume the following.

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

Assume the following.

$$k1\_euclid\_3 k5\_complex1 = k4\_struct\_0 (k15\_euclid np\_2) \quad (2)$$

Assume the following.

$$m1\_subset\_1 k5\_complex1 k2\_numbers \quad (3)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k2\_numbers) \Rightarrow (v1\_xcmplx\_0 X0) \quad (4)$$

**Theorem 1**  $k2\_euclid\_3 (k4\_struct\_0 (k15\_euclid np\_2)) = k5\_complex1.$