t18_square_1 (TMSS7jr26CRzGw4jfx3C5wGdHUEvd5p698p)

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Let $k7\_square\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $np\_\_0 : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k6\_square\_1 : \iota \Rightarrow \iota$ be given. Let $c5\_\_xreal\_0 : \iota$ be given. Let $k1\_arytm\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $c3\_\_xreal\_0 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k3\_square\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k3\_xcmplx\_0\ np\_\_1\ np\_\_1 = np\_\_1 \tag{1}$$

Assume the following.

$$k2\_xcmplx\_0\ np\_\_1\ (k4\_xcmplx\_0\ np\_\_1) = np\_\_0 \tag{2}$$

Assume the following.

$$r1\_xxreal\_0\ np\_\_0\ np\_\_1 \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (k7\_square\_1\ X0 = k6\_square\_1\ X0) \tag{4}$$

Assume the following.

$$m1\_subset\_1\ np\_\_1\ k1\_numbers \tag{5}$$

Assume the following.

$$(c5\_\_xreal\_0 = k4\_xcmplx\_0\ np\_\_1) \wedge (k1\_arytm\_0\ c3\_\_xreal\_0\ c5\_\_xreal\_0 = k6\_numbers) \tag{6}$$

Assume the following.

$$k2\_xcmplx\_0\ np\_\_1\ (k4\_xcmplx\_0\ np\_\_1) = k6\_numbers \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow((r1\_xxreal\_0\ k6\_numbers\ X0)\Rightarrow(\forall X1.\ (v1\_xreal\_0\ X1)\Rightarrow((X1 = k6\_square\_1\ X0)\Leftrightarrow((r1\_xxreal\_0\ k6\_numbers\ X1)\wedge(k3\_square\_1\ X1 = X0)))))) \tag{8}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(k3\_square\_1\ X0 = k3\_xcmplx\_0\ X0\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xreal\_0\ X0) \tag{10}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{11}$$

Theorem 1 $k7\_square\_1\ np\_\_1 = np\_\_1$.