t10_euler_1 (TMV29B5tpJXJNycWDKeTztwgw5agDem6TMv)

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Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r1\_int\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_int\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_int\_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow (\forall X2.\ (v1\_int\_1\ X2) \Rightarrow ((\exists X3.(v1\_int\_1\ X3) \wedge (\exists X4.(v1\_int\_1\ X4) \wedge (k2\_xcmplx\_0\ (k3\_xcmplx\_0\ X0\ X3)\ (k3\_xcmplx\_0\ X1\ X4) = X2))) \Leftrightarrow (r1\_int\_1\ (k3\_int\_2\ X0\ X1)\ X2)))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_int\_1\ X0) \wedge (v1\_int\_1\ X1)) \Rightarrow (r1\_int\_1\ X0\ X0) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow ((r1\_int\_1\ X0\ k6\_numbers) \wedge ((r1\_int\_1\ np\_\_1\ X0) \wedge (r1\_int\_1\ (k4\_xcmplx\_0\ np\_\_1)\ X0))) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_int\_1\ X0) \wedge (v1\_int\_1\ X1)) \Rightarrow (v1\_int\_1\ (k3\_xcmplx\_0\ X0\ X1)) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow ((r1\_int\_2\ X0\ X1) \Leftrightarrow (k3\_int\_2\ X0\ X1 = np\_\_1))) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow ((r1\_int\_1\ X0\ X1) \Leftrightarrow (\exists X2.(v1\_int\_1\ X2) \wedge (X1 = k3\_xcmplx\_0\ X0\ X2)))) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(\\ k3\_xcmplx\_0\ X0\ X1 = k3\_xcmplx\_0\ X1\ X0) \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{8}$$

Assume the following.

$$\forall X0.(v1\_int\_1\ X0)\Rightarrow(v1\_xreal\_0\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(v1\_xreal\_0\ X0) \tag{10}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(v1\_int\_1\ X0) \tag{11}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(\forall X1.(v7\_ordinal1\ X1)\Rightarrow((\\ r1\_int\_2\ X0\ X1)\Rightarrow(\forall X2.(v7\_ordinal1\ X2)\Rightarrow(\exists X3.(v1\_int\_1\\ X3)\wedge(\exists X4.(v1\_int\_1\ X4)\wedge(k2\_xcmplx\_0\ (k3\_xcmplx\_0\ X3\ X0)\\ (k3\_xcmplx\_0\ X4\ X1) = X2))))))$$