t31_moebius1 (TMNM-FXwHG8eb2VpBUnpSnvYuoGEe9sD3Rwq)

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Let $k2\_moebius1 : \iota{\Rightarrow}\iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k1\_real\_1 : \iota{\Rightarrow}\iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v7\_ordinal1 : \iota{\Rightarrow}o$ be given. Let $v1\_int\_2 : \iota{\Rightarrow}o$ be given. Let $k1\_polynom2 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k10\_newton : \iota$ be given. Let $k13\_nat\_3 : \iota{\Rightarrow}\iota$ be given. Let $k1\_tarski : \iota{\Rightarrow}\iota$ be given. Let $v1\_xcmplx\_0 : \iota{\Rightarrow}o$ be given. Let $k1\_newton : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k1\_card\_1 : \iota{\Rightarrow}\iota$ be given. Let $v2\_xxreal\_0 : \iota{\Rightarrow}o$ be given. Let $m2\_subset\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $m1\_subset\_1 : \iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_finset\_1 : \iota{\Rightarrow}o$ be given. Let $k5\_card\_1 : \iota{\Rightarrow}\iota$ be given. Let $k2\_newton : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $v1\_xreal\_0 : \iota{\Rightarrow}o$ be given. Let $v1\_moebius1 : \iota{\Rightarrow}o$ be given. Let $k6\_numbers : \iota$ be given. Let $v1\_xboole\_0 : \iota{\Rightarrow}o$ be given. Assume the following.

$$\forall X0.((v7\_ordinal1\ X0)\wedge(v1\_int\_2\ X0)){\Rightarrow}(k1\_polynom2\ k10\_newton\ (k13\_nat\_3\ X0) = k1\_tarski\ X0) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0){\Rightarrow}(k1\_newton\ X0\ np\_\_1 = X0) \tag{2}$$

Assume the following.

$$\forall X0.k1\_card\_1\ (k1\_tarski\ X0) = np\_\_1 \tag{3}$$

Assume the following.

$$v1\_int\_2\ np\_\_2 \tag{4}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_2)\wedge(m2\_subset\_1\ np\_\_2\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_2\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_2\ k1\_numbers)) \tag{5}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1)\wedge(m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_1\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{6}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{7}$$

Assume the following.

$$\forall X0.(v1\_finset\_1\ X0) \Rightarrow (k5\_card\_1\ X0 = k1\_card\_1\ X0) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k1\_numbers) \wedge (v7\_ordinal1\ X1)) \Rightarrow (k2\_newton\ X0\ X1 = k1\_newton\ X0\ X1) \tag{9}$$

Assume the following.

$$\forall X0.v1\_finset\_1\ (k1\_tarski\ X0) \tag{10}$$

Assume the following.

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

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (((v1\_moebius1\ X0) \Rightarrow ((X1 = k2\_moebius1\ X0) \Leftrightarrow (X1 = k6\_numbers))) \wedge ((\neg v1\_moebius1\ X0) \Rightarrow ((X1 = k2\_moebius1\ X0) \Leftrightarrow (\exists X2.((\neg v1\_xboole\_0\ X2) \wedge (v7\_ordinal1\ X2)) \wedge ((X2 = X0) \wedge (X1 = k2\_newton\ (k1\_real\_1\ np\_\_1)\ (k5\_card\_1\ (k1\_polynom2\ k10\_newton\ (k13\_nat\_3\ X2)))))))))) \tag{12}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{13}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (v7\_ordinal1\ X0) \tag{14}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xreal\_0\ X0) \tag{15}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xcmplx\_0\ X0) \tag{16}$$

Assume the following.

$$\forall X0.((v7\_ordinal1\ X0) \wedge (v1\_int\_2\ X0)) \Rightarrow ((\neg v1\_xboole\_0\ X0) \wedge ((v7\_ordinal1\ X0) \wedge (v1\_int\_2\ X0))) \tag{17}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow ((v1\_int\_2\ X0) \Rightarrow (\neg v1\_moebius1\ X0)) \tag{18}$$

Theorem 1 $k2\_moebius1\ np\_\_2 = k1\_real\_1\ np\_\_1$.