l36_dtconstr (TMYuc1tuKVo8teQZNjumurkGUxfJbgXqQUf)

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Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $c3\_\_dtconstr : \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k5\_dtconstr : \iota$ be given. Let $k7\_dtconstr : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v2\_dtconstr : \iota \Rightarrow o$ be given. Let $l1\_lang1 : \iota \Rightarrow o$ be given. Let $k2\_lang1 : \iota \Rightarrow \iota$ be given. Let $v1\_lang1 : \iota \Rightarrow o$ be given. Let $v1\_dtconstr : \iota \Rightarrow o$ be given. Let $v3\_dtconstr : \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{1}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge \\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))) \Rightarrow (\forall X2.(m2\_subset\_1 \\ X2\ X0\ X1) \Leftrightarrow (m1\_subset\_1\ X2\ X1))\end{gathered} \tag{2}$$

Assume the following.

$$\begin{gathered}\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v2\_dtconstr\ X0) \wedge (l1\_lang1\ X0))) \Rightarrow \\ (k7\_dtconstr\ X0 = k2\_lang1\ X0)\end{gathered} \tag{3}$$

Assume the following.

$$c3\_\_dtconstr \in k2\_lang1\ k5\_dtconstr \tag{4}$$

Assume the following.

$$\begin{gathered}(\neg v2\_struct\_0\ k5\_dtconstr) \wedge ((v1\_lang1\ k5\_dtconstr) \wedge ((v1\_dtconstr \\ k5\_dtconstr) \wedge ((v2\_dtconstr\ k5\_dtconstr) \wedge (v3\_dtconstr\ k5\_dtconstr))))\end{gathered} \tag{5}$$

Assume the following.

$$\begin{gathered}\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v2\_dtconstr\ X0) \wedge (l1\_lang1\ X0))) \Rightarrow \\ ((\neg v1\_xboole\_0\ (k7\_dtconstr\ X0)) \wedge (m1\_subset\_1\ (k7\_dtconstr \\ X0)\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))))\end{gathered} \tag{6}$$

Assume the following.

$$(\neg v2\_struct\_0\ k5\_dtconstr) \wedge ((v1\_lang1\ k5\_dtconstr) \wedge (l1\_lang1\ k5\_dtconstr)) \tag{7}$$

Assume the following.

$$c3\_\_dtconstr = np\_\_1 \tag{8}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (v1\_xboole\_0\ X1)) \tag{9}$$

Theorem 1

$$m2\_subset\_1\ c3\_\_dtconstr\ (u1\_struct\_0\ k5\_dtconstr)\ (k7\_dtconstr\ k5\_dtconstr)$$