

thm_2EDeepSyntax_2Edatatype__deep__form (TMbitiGzCz5uCzsziV9zCqyMckdjyNF6B5d)

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Let $ty_2EDeepSyntax_2Edeep_form : \iota$ be given. Assume the following.

$$nonempty\ ty_2EDeepSyntax_2Edeep_form \quad (1)$$

Let $ty_2Einteger_2Eint : \iota$ be given. Assume the following.

$$nonempty\ ty_2Einteger_2Eint \quad (2)$$

Let $c_2EDeepSyntax_2ExDivided : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2ExDivided \in ((ty_2EDeepSyntax_2Edeep_form^{ty_2Einteger_2Eint})^{ty_2Einteger_2Eint}) \quad (3)$$

Let $c_2EDeepSyntax_2ExEQ : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2ExEQ \in (ty_2EDeepSyntax_2Edeep_form^{ty_2Einteger_2Eint}) \quad (4)$$

Let $c_2EDeepSyntax_2ELTx : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2ELTx \in (ty_2EDeepSyntax_2Edeep_form^{ty_2Einteger_2Eint}) \quad (5)$$

Let $c_2EDeepSyntax_2ExLT : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2ExLT \in (ty_2EDeepSyntax_2Edeep_form^{ty_2Einteger_2Eint}) \quad (6)$$

Let $c_2EDeepSyntax_2EUrelatedBool : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2EUrelatedBool \in (ty_2EDeepSyntax_2Edeep_form^2) \quad (7)$$

Let $c_2EDeepSyntax_2ENegn : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2ENegn \in (ty_2EDeepSyntax_2Edeep_form^{ty_2EDeepSyntax_2Edeep_form}) \quad (8)$$

Let $c_2EDeepSyntax_2EDisjn : \iota$ be given. Assume the following.

$$c_2EDeepSyntax_2EDisjn \in ((ty_2EDeepSyntax_2Edeep_form^{ty_2EDeepSyntax_2Edeep_form})^{ty_2EDeepSyntax_2Edeep_form}) \quad (9)$$

