generic^{0,22}

Generic$\{f{:}\mathbb{N} \to T | S(f)\}$
$\equiv_{\text{def}}$ $\exists R{:}(\mathbb{N} \to (T \text{ List}) \to \text{Prop})$.
$(\forall i{:}\mathbb{N},\ s{:}T \text{ List}.\ \exists s'{:}T \text{ List}.\ s \leq s' \ \&\ R(i,s'))$
$\&\ (\forall f{:}(\mathbb{N} \to T).\ (\forall i{:}\mathbb{N}.\ \exists s{:}T \text{ List}.\ R(i,s)\ \&\ (\forall n{:}\mathbb{N}_{<\|s\|}.\ s[n] = f(n))) \Rightarrow S(f))$

clarification:

generic$\{$i:l$\}$
$(T;\ f.S(f))$
$\equiv_{\text{def}}$ $\exists R{:}(\mathbb{N} \to (T \text{ List}) \to \text{Prop}_{\text{i}})$.
$(\forall i{:}\mathbb{N},\ s{:}T \text{ List}.\ \exists s'{:}T \text{ List}.\ s \leq s' \in T \text{ List}\ \&\ R(i,s'))$
$\&\ (\forall f{:}(\mathbb{N} \to T).\ (\forall i{:}\mathbb{N}.\ \exists s{:}T \text{ List}.\ R(i,s)\ \&\ (\forall n{:}\{0..\|s\|^-\}.\ s[n] = f(n) \in T)) \Rightarrow S(f))$

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http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p44_719383_{generic}.html