

generic^{0,22}

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

clarification:

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