

SimFL

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Syntax

$\alpha \in \text{TYPEVAR} \quad T \in \text{TYPECON} \quad C \in \text{DATACON}$

$\text{datadef} \in \text{DATADEF} ::= \text{data } T \ \overline{\alpha} = \delta \ \overline{\langle \mid \delta \rangle}$
 $\delta \in \text{CONDEF} ::= C \ \overline{\tau}$

$e \in \text{EXPR} ::= x$
| n
| C
| $\text{' } c \text{'}$
| $\text{" } \overline{c} \text{"}$
| $[\]$
| $[e \ \overline{\langle, e \rangle}]$
| $e \bullet e$
| (\bullet)
| $\text{fun } x \rightarrow e$
| $e \ e$
| $\text{let } d \ \overline{\langle \text{and } d \rangle} \text{ in}$
| $\text{case } e \text{ of } \{ p \rightarrow e \ \overline{\langle ; p \rightarrow e \rangle} \}$
| $\text{if } e \text{ then } e \text{ else } e$
 $d \in \text{DECL} ::= f = e$
| $\text{rec } f \ x = e$
| $\text{data } T = C \ \overline{\tau} \ \overline{\langle \mid C \ \overline{\tau} \rangle}$
| $\text{rec } f \ x : \tau = e$
| $\text{rec } f \ x \ \overline{\tau} = e$
| $\text{data } T \ \overline{\alpha} = \delta \ \overline{\langle \mid \delta \rangle}$
 $\bullet \in \text{BINOP} ::= s \overline{\tau}$