

$(\text{define } (f1 \ x) \ (+ \ x \ 3))$
 $(\text{define } (f2 \ y) \ (f1 \ (+ \ y \ 4)))$

interp : ExprC * listof FunDef \rightarrow number

name
 Symbol

identifier
 Symbol

body
 ExprC

1) idC (symbol)
 2) appC (symbol ExprC)

δ
$\Rightarrow \epsilon$

(δ (interp e fds))

[numC (n) n]

[addC (l r) (+ (interp l fds)

multC (interp r fds))]

[idC (-) (error -)]

[appC (f a)

(local ([define the-f (lookup-fundef
f fds)])

(interp

(subst (interp a fds)

what

(fundefC-param the-f)

for

(fundefC-body the-f) in

Subst: $\begin{matrix} \text{number} \\ \text{ExprC} \end{matrix} * \text{symbol} * \begin{matrix} \text{ExprC} \\ \downarrow \\ \text{ExprC} \end{matrix} \rightarrow \text{ExprC}$

(define (f x) (t x y))