

Conceitos 9/4/8

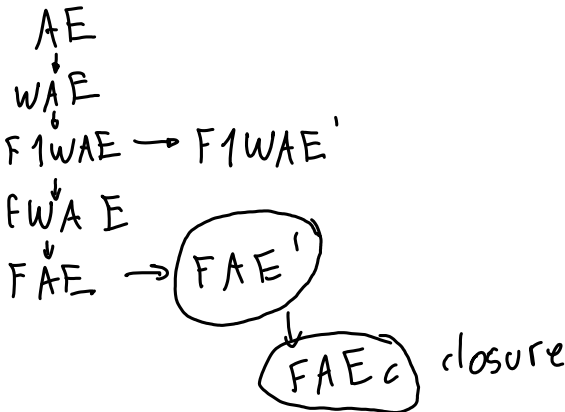
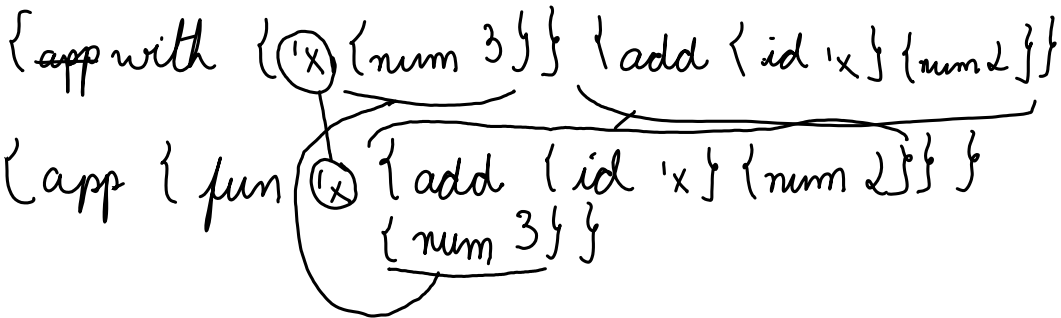
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$\text{F1WAE} \rightarrow \text{FWAE}$

$\{ \text{with } \{ f \} \{ \text{fun } 'x \} \{ \text{add } \{ \text{num } 2 \} \{ \text{id } 'x \} \} \} \}$
 $\{ \text{app } \{ \text{id } 'f \} \{ \text{num } 4 \} \} \}$

$\{ \text{with } \{ \text{'nome valor} \} \text{expr} \}$
 $\{ \text{app } \{ \text{fun nome expr} \} \text{valor} \}$

Exemplo:



(define (interp expr)
 [num (n) expr])

(num 4) → (num 4)

(add (num 2) (num 3))

↓
⊕ (num 2) (num 3)
↑
add-numbers

Expr

(app (fun x (add {id 'x} {num 1})) (num 41))
arg-expr param body form-expr

f → (fun ⊗ (add {id 'x} {num 1}))

⇒ (subst (add {id 'x} {num 1}) x (num 41))
(add (num 41) (num 1))
(add-numbers (num 41) (num 1))

