Languages-beta: OC-L-05-Constants *

The PLanCompS Project

`OC-L-05-Constants.cbs` | PLAIN | PRETTY

Language   "OCaml Light"

5 Constants

Syntax   *CNST* : constant ::= integer-literal
  | float-literal
  | char-literal
  | string-literal
  | constr
  | ˋfalseˊ
  | ˋtrueˊ
  | ˋ(ˊ ˋ)ˊ
  | ˋbeginˊ ˋendˊ
  | ˋ[ˊ ˋ]ˊ
  | ˋ[|ˊ ˋ|]ˊ

Semantics   value⟦ _ : constant ⟧ : ⇒ implemented-values
Rule   value⟦ *IL* ⟧ = integer-value⟦ *IL* ⟧
Rule   value⟦ *FL* ⟧ = float-value⟦ *FL* ⟧
Rule   value⟦ *CL* ⟧ = character-value⟦ *CL* ⟧
Rule   value⟦ *SL* ⟧ = string-value⟦ *SL* ⟧
Rule   value⟦ *CSTR* ⟧ = bound(constr-name⟦ *CSTR* ⟧)
Rule   value⟦ ˋfalseˊ ⟧ = false
Rule   value⟦ ˋtrueˊ ⟧ = true
Rule   value⟦ ˋ(ˊ ˋ)ˊ ⟧ = null
Rule   value⟦ ˋbeginˊ ˋendˊ ⟧ = null
Rule   value⟦ ˋ[ˊ ˋ]ˊ ⟧ = nil
Rule   value⟦ ˋ[|ˊ ˋ|]ˊ ⟧ = vector( )