Languages-beta: OC-L-05-Constants

The PLanCompS Project

`Languages-beta/OC-L/OC-L-05-Constants/OC-L-05-Constants.cbs`[*]

Language"`OCaml Light`"

5 Constants

Syntax **CNST** : constant ::= integer-literal
      | float-literal
      | char-literal
      | string-literal
      | constr
      | `false`
      | `true`
      | `( )`
      | `begin end`
      | `[ ]`
      | `[| |]`

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⟦ false ⟧ =

        false

    Rule value⟦ true ⟧ =

        true

    Rule value⟦ ( ) ⟧ =

        null

    Rule value⟦ begin end ⟧ =

        null

    Rule value⟦ [ ] ⟧ =

        nil

    Rule value⟦ [| |] ⟧ =

        vector( )