Documento Autogenerado de Estado de Compilación

BLA Compiler

29 de mayo de 2012

1. Descripción de Tipos

```
TYPES:
 * _undefined [size 0][alignment 1]
 * _invalid [size 0][alignment 1]
 * none [size 0][alignment 1]
 * int [size 4][alignment 4]
 * float [size 4][alignment 4]
 * char [size 1][alignment 1]
 * boolean [size 1][alignment 1]
 * string [size 4][alignment 4]
```

2. Constantes String

```
- "hola"
```

3. Árbol Sintáctico Abstracto

```
 5: Declaration: c (int) [offset 0] initialized with
 5:      Constant int: 30
 6: Declaration: d (int) [offset 4] initialized with
 6:      Constant int: 30
12: Declaration of Function fibRec -> int
12:      (
12:      int(n)
12:      )
13:      {
13:          If
                (
13:              == [boolean]
13:                  Identifier: n [int:12:20]
13:                  Constant int: 0
                )
14:              {
14:                  Return [int]
14:                      Constant int: 0
14:              }
15:          Else If
                (
15:              == [boolean]
15:                  Identifier: n [int:12:20]
```

```
15:                      Constant int: 1
                    )
16:                 {
16:                     Return [int]
16:                         Constant int: 1
16:                 }
18:           Return [int]
18:               + [int]
18:                   fibRec [int:12:9]
                      (
18:                        - [int]
18:                            Identifier: n [int:12:20]
18:                            Constant int: 1
                      )
18:                   fibRec [int:12:9]
                      (
18:                        - [int]
18:                            Identifier: n [int:12:20]
18:                            Constant int: 2
                      )
18:       }
21: Declaration: b (int) [offset 8] initialized with
21:       Constant int: 42
22: Declaration: e (int) [offset 12] initialized with
22:       Constant int: 42
48: Declaration: a (int) [offset 16] initialized with
48:       Constant int: 42
50: Declaration of Function main -> none
50:     (
50:     )
51:     {
51:         Declaration: a (int) [offset 0] unitialized
52:         Read a [int:51:9]
53:         Declaration: fR (int) [offset 4] initialized with
53:             fibRec [int:12:9]
                (
53:                 Identifier: a [int:51:9]
                )
55:         Declaration: salida (string) [offset 8] initialized with
55:             Constant string: hola
55:     }
```