

Languages-beta: IMP-Funcons-Index *

The P_LanCompS Project

IMP-Funcons-Index.cbs | PLAIN | PRETTY

OUTLINE

Computations

- Normal computation
 - Flowing
 - Giving
 - Binding
 - Storing
- Abnormal computation
 - Failing

Values

- Primitive values
 - Booleans
 - Integers
 - The null value

Computations

Normal computation

Flowing

- [*Funcon* sequential
- Alias* seq
- Funcon* if-true-else
- Alias* if-else
- Funcon* while-true
- Alias* while]

Giving

- [*Funcon* initialise-giving]

*Suggestions for improvement: plancomps@gmail.com.
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.

Binding

- [*Type* environments
- Alias* envs
- Datatype* identifiers
- Alias* ids
- Funcon* initialise-binding
- Funcon* bind-value
- Alias* bind
- Funcon* bound-value
- Alias* bound
- Funcon* scope
- Funcon* collateral]

Storing

- [*Funcon* initialise-storing
- Funcon* allocate-initialised-variable
- Alias* alloc-init
- Funcon* assign
- Funcon* assigned]

Abnormal computation

Failing

- [*Funcon* finalise-failing
- Funcon* checked]

Values

Primitive values

Booleans

- [*Datatype* booleans
- Alias* bools
- Funcon* true
- Funcon* false
- Funcon* not]

Integers

```
[ Type    integers
  Alias   ints
Funcon   integer-add
  Alias   int-add
Funcon   integer-divide
  Alias   int-div
Funcon   integer-negate
  Alias   int-neg
Funcon   integer-is-less-or-equal
  Alias   is-less-or-equal
Funcon   decimal-natural
  Alias   decimal ]
```

The null value

```
[ Datatype null-type
  Funcon   null-value
  Alias    null ]
```