

Funcons-beta: Variants

The P_LanC_ompS Project

Funcons-beta/Values/Composite/Variants/Variants.cbs*

Variants

```
[ Datatype variants
  Funcon variant
  Funcon variant-id
  Funcon variant-value ]
```

Meta-variables $T <: \text{values}$

Datatype $\text{variants}(T) ::= \text{variant}(_ : \text{identifiers}, _ : T)$

A value of type $\text{variants}(T)$ is a pair formed from an identifier and a value of type T .

```
Funcon variant-id(_ : variants(T)) :  $\Rightarrow$  identifiers
Rule variant-id(variant(I : identifiers, _ : T))  $\rightsquigarrow$  I
```

```
Funcon variant-value(_ : variants(T)) :  $\Rightarrow$  T
Rule variant-value(variant(_ : identifiers, V : T))  $\rightsquigarrow$  V
```

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