

Funcons-beta: Variants *

The P_LanCompS Project

Variants.cbs | PLAIN | PRETTY

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 $\text{variant-id}(- : \text{variants}(T)) : \Rightarrow \text{identifiers}$

Rule $\text{variant-id}(\text{variant}(I : \text{identifiers}, - : T)) \rightsquigarrow I$

Funcon $\text{variant-value}(- : \text{variants}(T)) : \Rightarrow T$

Rule $\text{variant-value}(\text{variant}(- : \text{identifiers}, V : T)) \rightsquigarrow V$

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