

Funcons-beta: References

The PLaNCompS Project

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

References and pointers

```
[ Datatype references
  Funcon reference
    Type pointers
  Funcon pointer-null
  Funcon dereference ]
```

Meta-variables $T \leq$ values

$$\text{Datatype references}(T) ::= \text{reference}(_ : T)$$
$$\text{Datatype pointers}(T) ::= \text{pointer-null} \mid \{- : \text{references}(T)\}$$

Funcon $\text{dereference}(_ : \text{pointers}(T)) : \Rightarrow (T)?$
Rule $\text{dereference}(\text{reference}(V : T)) \rightsquigarrow V$
Rule $\text{dereference}(\text{pointer-null}) \rightsquigarrow ()$

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