

# Funcons-beta: References \*

The P<sub>L</sub>anCompS Project

References.cbs | PLAIN | PRETTY

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## References and pointers

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

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

Datatype  $\text{references}(T) ::= \text{reference}(\_ : T)$

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

Funcon  $\text{dereference}(\_ : \text{pointers}(T)) : \Rightarrow(T)?$

Rule  $\text{dereference}(\text{reference}(V : T)) \rightsquigarrow V$

Rule  $\text{dereference}(\text{pointer-null}) \rightsquigarrow ( )$

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\*Suggestions for improvement: [plancomps@gmail.com](mailto:plancomps@gmail.com).  
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.