

Blame Assignment Across Definitions



Within each definition, Lamdu stores the types of its dependencies. When they change, Lamdu tracks both the new type and the previously used type.

Until accepting the updated type, the old type is used for type inference, preserving coherency.

When updating, local type mismatches may be created.

digits 519

Type was: Num \rightarrow Array Num

Update to: { num Num, \rightarrow Array Num
base Num }

digits 519

base 16

[2, 0, 7]



Projectional Syntactic Sugar

Lamdu automatically presents
code with syntactic sugars

Lamdu displays the “next”
function using *light lambda*
syntax while the “mapping”
function is displayed with plain
lambda syntax

```
fibonacci = map iterate
  initial cur 1
           prev 0
  next  $\lambda$  cur cur + prev
           prev cur
  mapping cur prev → cur
           Num Num
```