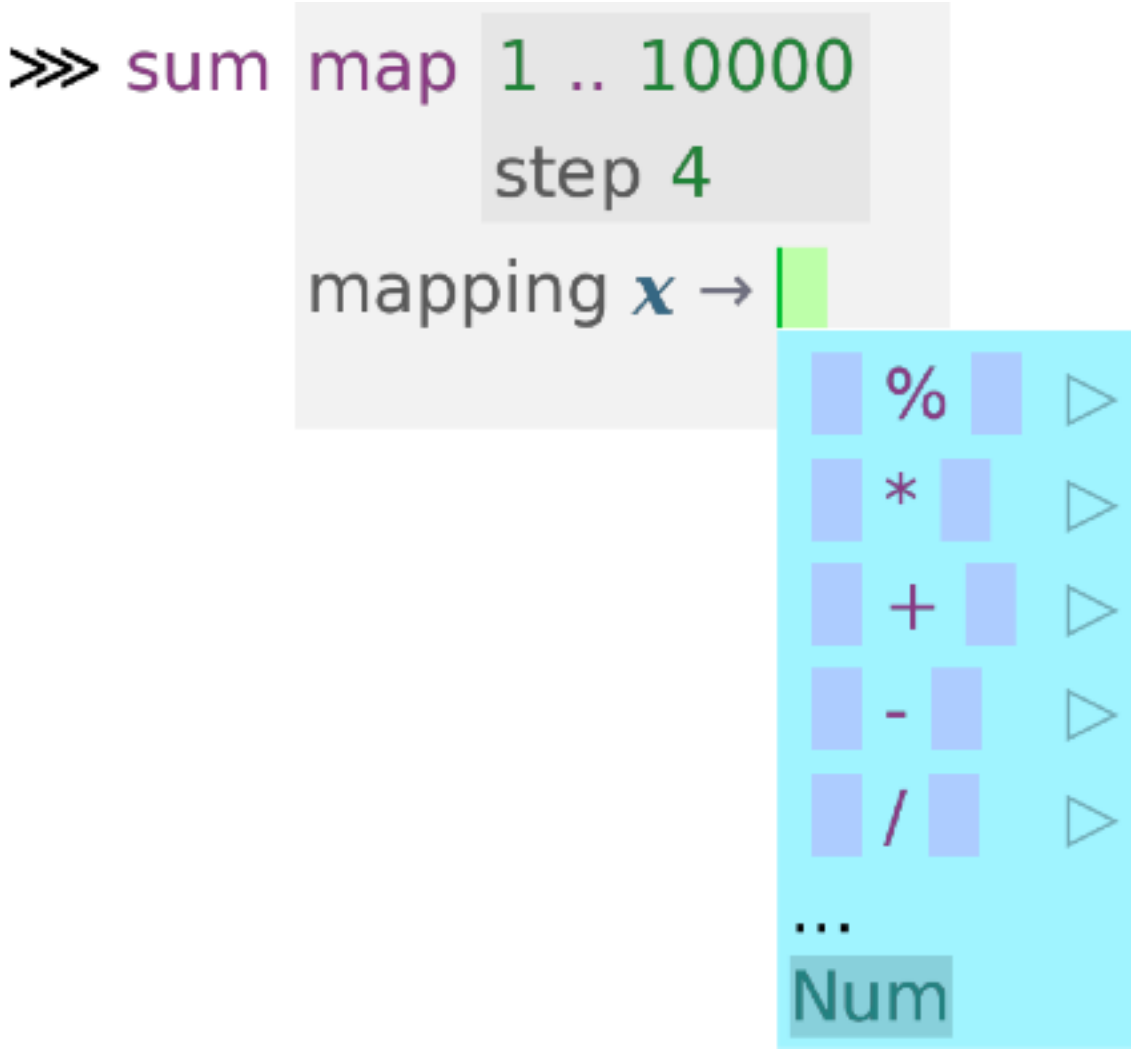

⋙ sum map 1 .. 10000
step 4
mapping x →
%
*
+
-
/
...
Num

Structural Editing

The AST is projected to a structured text presentation that is familiar to programmers.

The AST is always valid, but may be *incomplete*, with *holes* to fill in and *fragments* that contain subexpressions to transform.

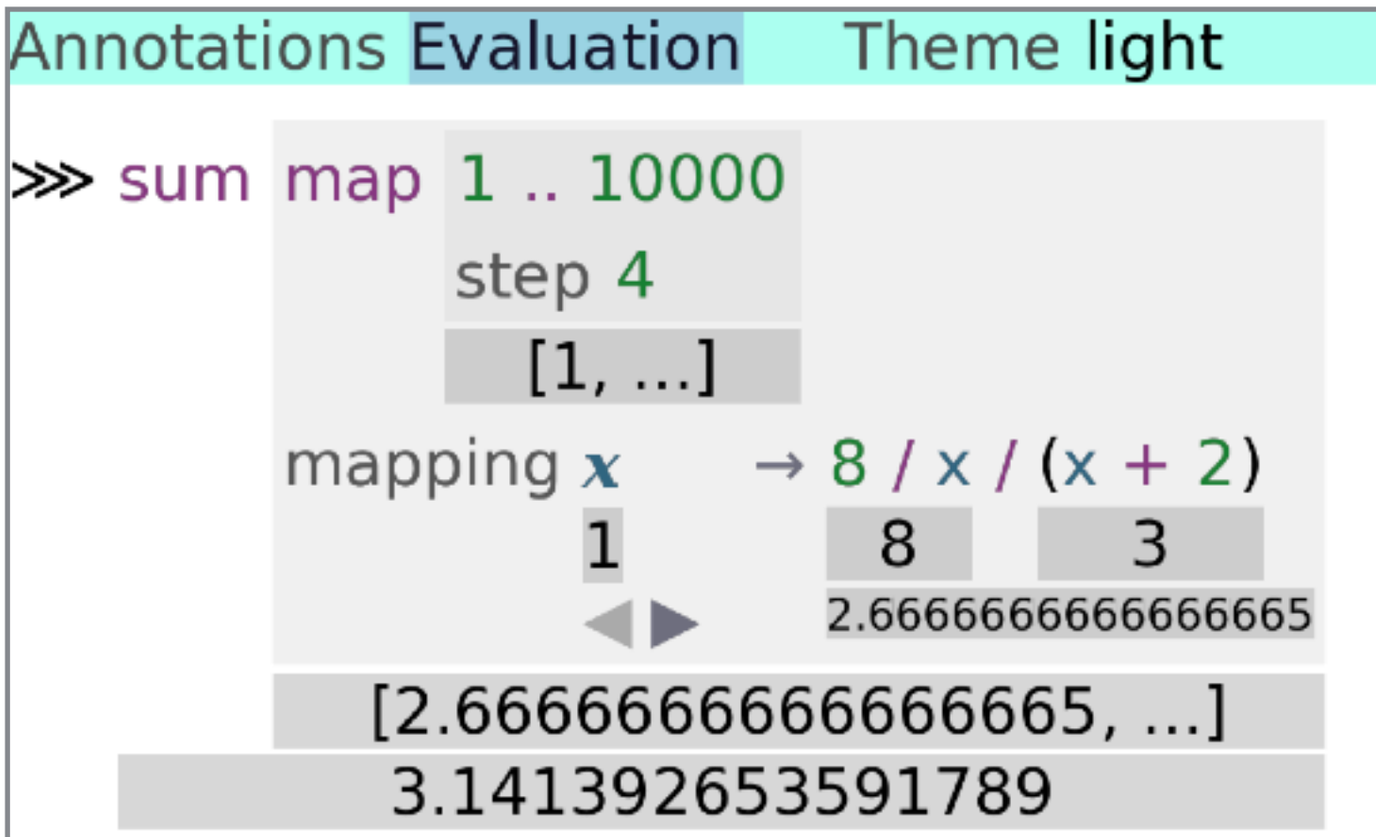
Evaluation in Traditional REPLs

```
>>> sum(8./x/(x+2) for x in range(1,10000,4))
3.141392653591789
```

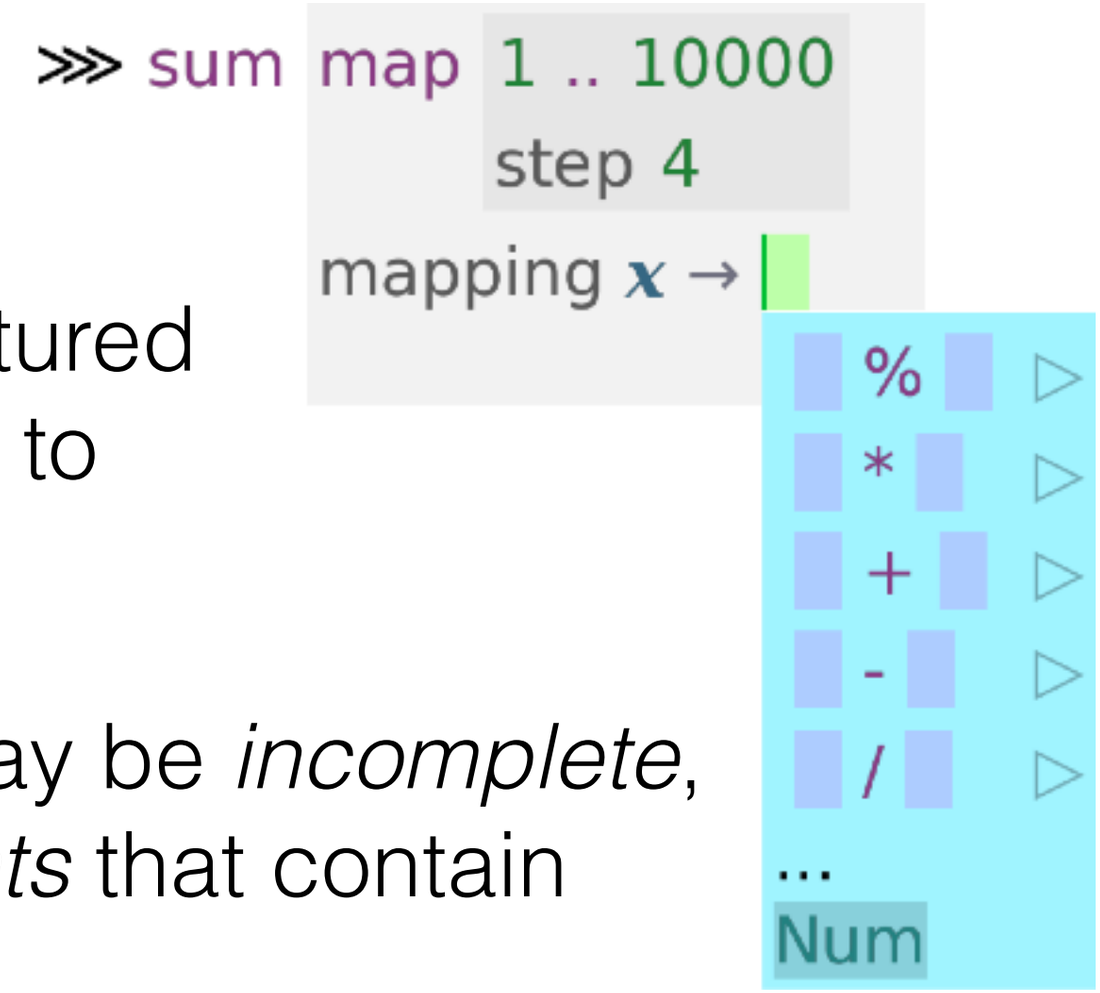
Python's REPL (read-eval-print-loop) lets us play with our code interactively to verify our mental model of it.

Evaluation in Lamdu / Live Debugging

- Shows results for *all* subexpressions
- Code is evaluated while being typed
- Browse between different invocations of the same function



Structural Editing



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