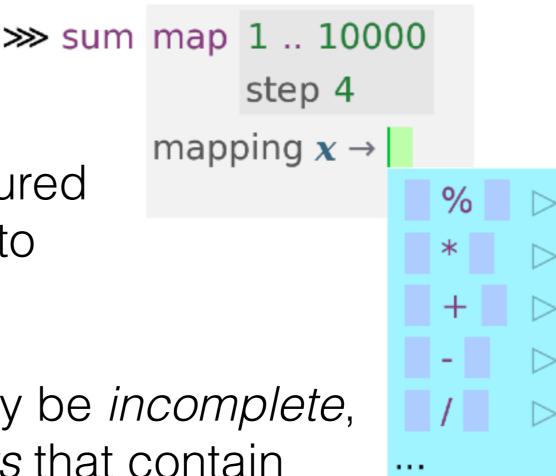


Structural Editing

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

```
Annotations Evaluation
                          Theme light
>>> sum map 1 .. 10000
              step 4
                [1, ...]
        mapping x
                       \rightarrow 8 / x / (x + 2)
                          2.666666666666665
           [2.66666666666665, ...]
            3.141392653591789
```