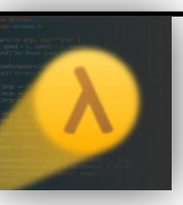
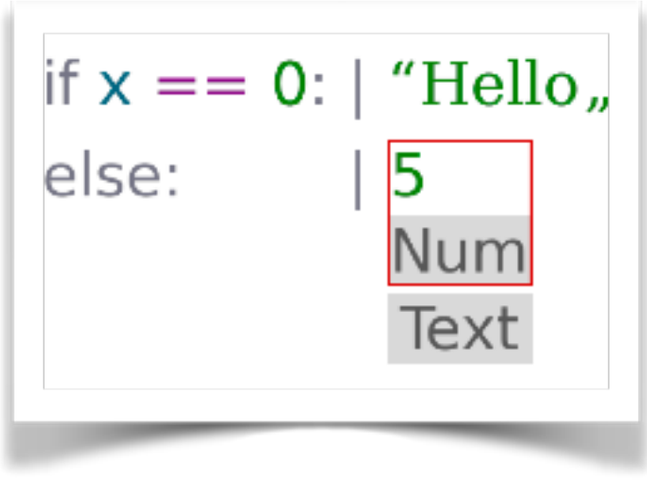
Blame Assignment

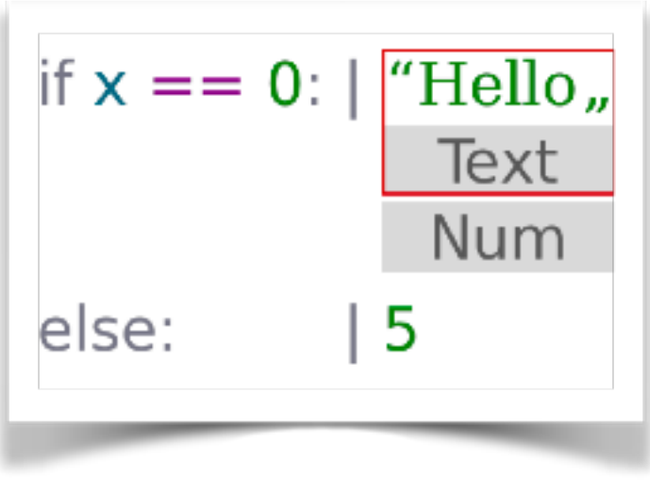
Traditionally compilers arbitrarily assign blame - often editing one piece of code results in an error somewhere seemingly unrelated.



Lamdu uses the order in which code is written for to assign type mismatches to newly written code.

“Hello” typed first





5 typed first

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.