Traversal 1. — AST

ZR Hierarchy
type info. for vars & method calls
$\xrightarrow{\text{}}$ mutable.

Traversal 2.
Build stack. Fill in type info.
Do scope-related checks.

Traversal 3. — ZR Hierarchy.
Type checks.

current

global.

$$\overset{+}{\underset{\underset{a}{lhs} \quad \underset{3}{rhs}}{}}$$