Visualization
Spice is an experimental debugger that visualizes function behavior across time. Instead of stepping through a program line-by-line, Spice captures its full behavior in an explorable form.

Control flow is displayed as a table, with loop iterations represented as columns. Loops can be expanded and collapsed, nested, and scrolled.

As function arguments are modified, the program is rerun and the visualization is updated.

Scalar values are charted over the course of the execution of a program, exposing unexpected behavior and opportunities for optimization.

Complex data structures are mapped to visual representations that capture their traversal or mutation.

Architecture
Debugger
The debugger extracts type and symbol information from the target process, controls its execution, and traces the control and data flow of functions.

Visualizer
The visualizer collects trace data and provides visualizations of a function’s behavior.