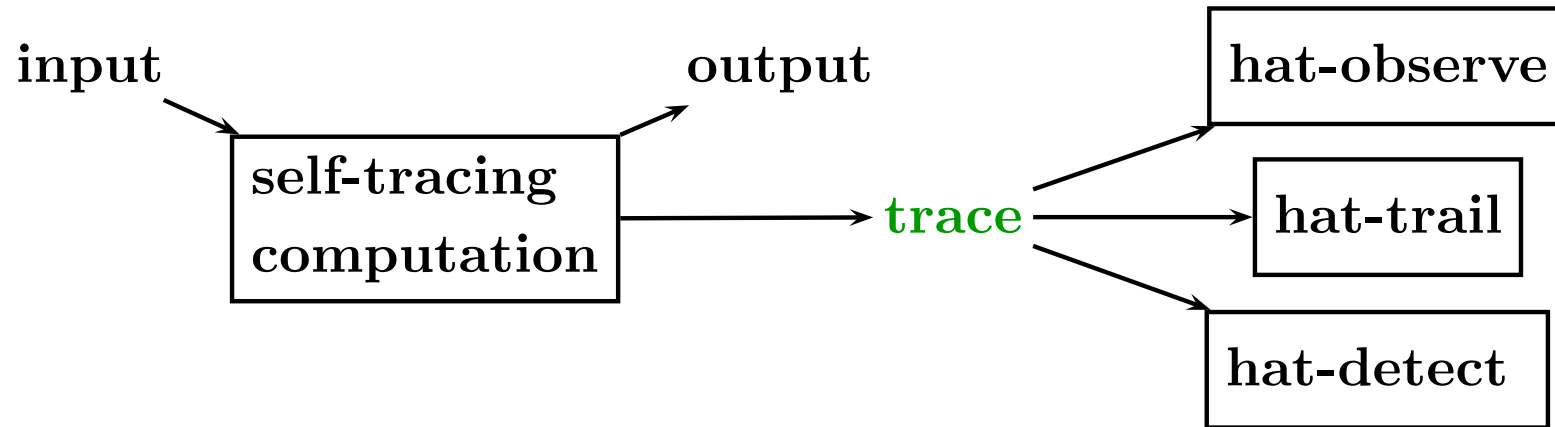


Source-Based Trace Exploration with Hat

Olaf Chitil

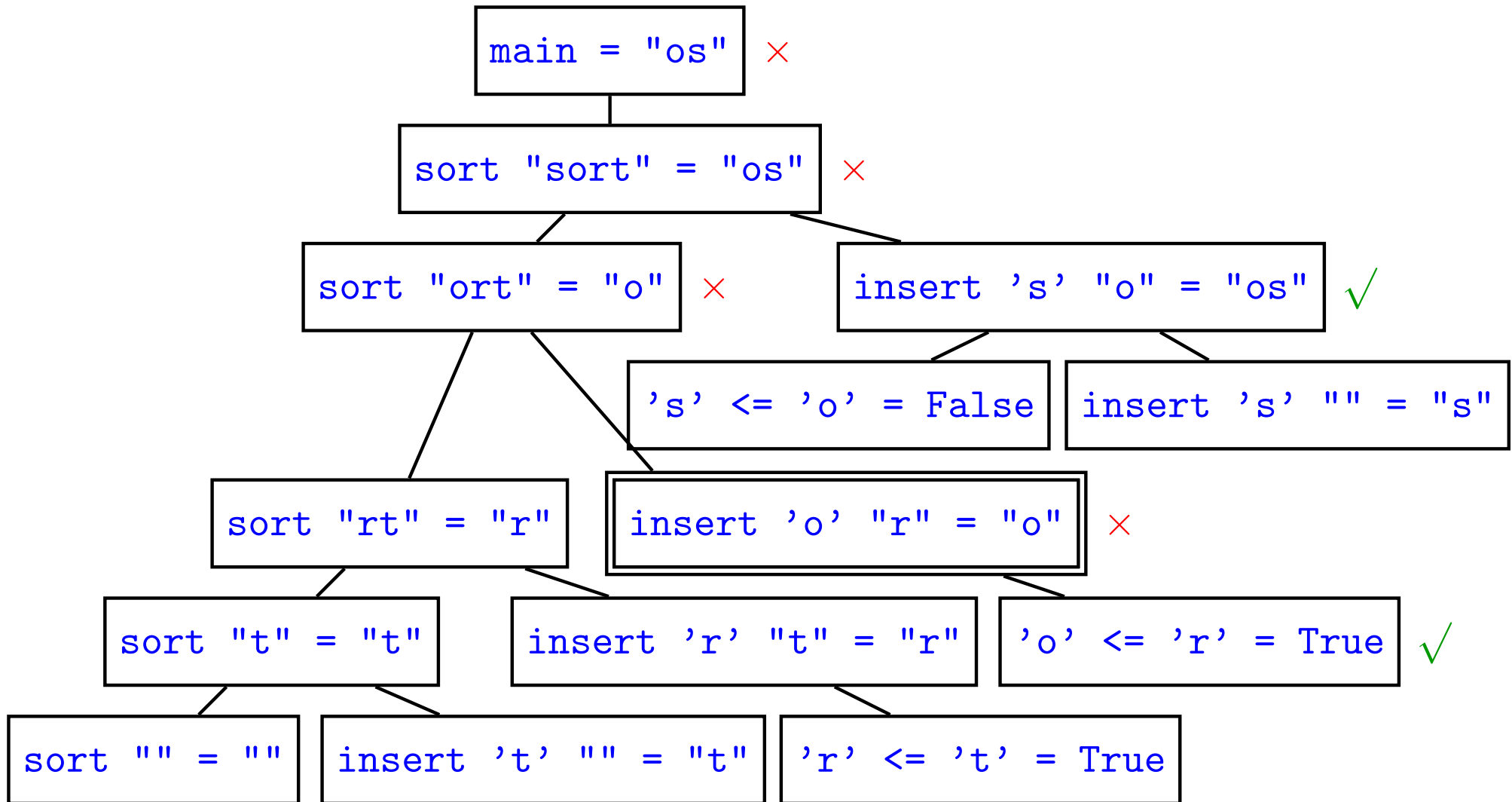
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The Haskell Tracer Hat



- Two phases: trace generation + trace viewing
- Trace liberates from time arrow of computation

Algorithmic Debugging



We need source-based viewing tools

- current tools show expressions + equations but no source program
- easy to “get lost” in current viewing tools
- programmer familiar with program
- program smaller than computation
- program will have to be modified
- navigation of hat-trail + hat-detect follows program structure

Summary

- Orientation through Source
- Free Navigation
- Fault Slicing of Source
- Use Coverage of Source

<http://www.haskell.org/hat>