

1 Typing

1.1 Overview

Type checking should prevent "dangerous expressions", such as `2 + True`, `[2] : [3]`, etc. Dangerous expressions lead to *runtime errors*.

The objectives for a type checker are as follows:

- Quick, decidable, static analysis
- Permit as much generality / re-usability as possible
- Prevent runtime errors

1.2 Mini-Haskell

FMFP - Lecture Notes Week 5

Ruben Schenk, ruben.schenk@inf.ethz.ch

April 1, 2022