Programming Languages and Types

Exercise 13

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1 Prelude

- Clarify typing variants
- ullet Clarify \mathbf{fix}
- Clarify parametric polymorphism
- \bullet Clarify Church-Bool in System- ${\cal F}$

- 2 Subtyping
- 2.1 Algorithmic Subtyping
- 2.2 Algorithmic Typing
- 3 Object-Oriented Programming
- 3.1 Core Features of OOP
- 3.2 Featherweight Java
- 4 Type Inference
- 5 Curry-Howard Isomorphism
- 6 Existential Types