

Straight-Line Formulas

- ▶ $S ::= x := f(\bar{x}) \mid \mathbf{assert}(R(\bar{x})) \mid S; S$
- ▶ Soundness + completeness guarantee for SL formulas
- ▶ Complex string functions, including replaceall and transducers

Backwards-propagation

- ▶ Main algorithm for SL formulas
- ▶ $z = x \circ y ; \mathbf{assert}(z \in L)$
- ▶ $\mathbf{assert}(x \in L_1) ; \mathbf{assert}(y \in L_2)$

Extensions

