

# HANUS: EMBEDDING JANUS IN HASKELL

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## Introduction

- ▶ DSL description
- ▶ Reversible (Janus)

## Semantic Checking (Janus side)

- ▶ Invalid LHS error

## Semantic Checking (Haskell side)

- ▶ No instance for .... error

## Haskell Power

- ▶ Functor example

## Reverse your program

- ▶ Division example
- ▶ Show inverse side-by-side

## Syntactic Checking

- ▶ By using *QuasiQuotation*, we notify the programmer of possible syntactic errors at compile-time!