

Optimising Agda

Stephan Adelsberger¹ and Anton Setzer²

Agda Implementors meeting XXXII Online

2 June 2020

¹WU Vienna, Austria, <https://nm.wu.ac.at/nm/en:adelsberger>

²Swansea University, UK, <http://www.cs.swan.ac.uk/~csetzer/index.html>

Equality by Normalisation

Missing Else Case in Pattern Matching

Search for Finite Case Distinctions Proving Absurdity

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Example Equality Check by Normalisation

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$$10^{(0 + (10^{10}))} = 10^{(10^{10})}$$

- ▶ Example

$$3^4 = 9^2$$

Example Equality Check by Normalisation

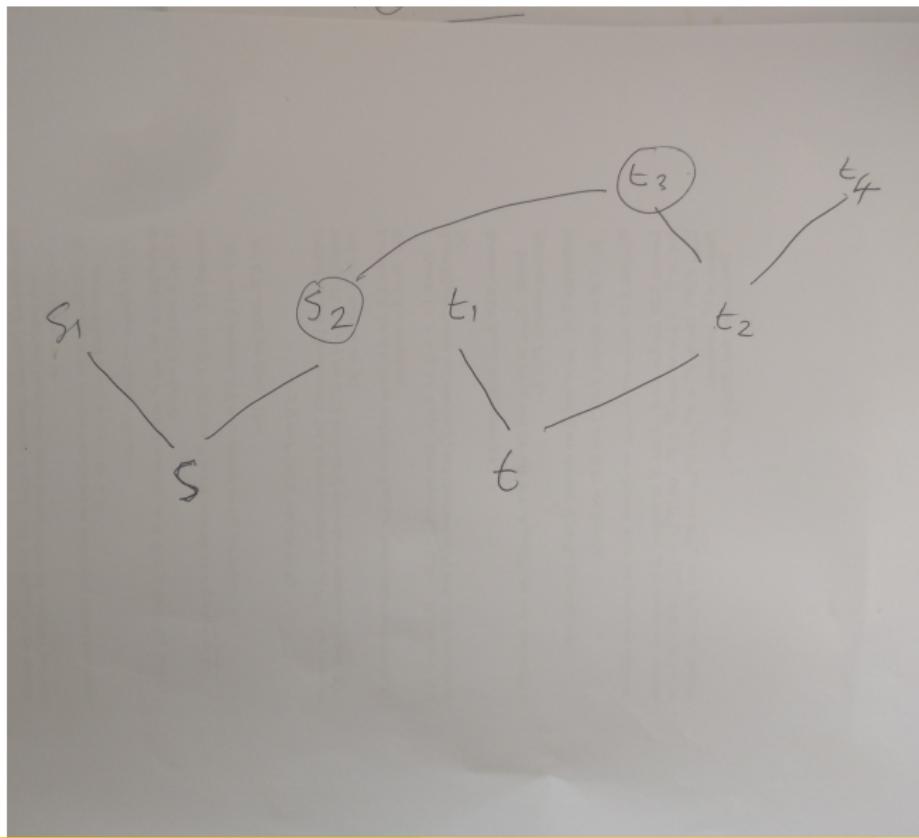
- ▶ Equality check by normalisation is inefficient.
- ▶ Example

$$10^{\wedge}(0 + (10^{\wedge}10)) = 10^{\wedge}(10^{\wedge}10)$$

- ▶ Example
- ▶ Inequality requires normalisation.

$$3^{\wedge}4 = 9^{\wedge}2$$

Picture



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