

# Solving Proximity Constraints

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## 1 Theory

## 2 System Model

## 3 Workflow

# Introduction

4 sets:

- $P$ : unification problem to be solved
- $C$ : neighborhood constraint
- $\sigma$ : set of pre-unifier
- $\psi$ : name-class mapping

# Pre-Unification rules

(Tri) Trivial: ...

(Dec) Decomposition: ...

...

# Rules for Neighborhood Constraints

(FFS) Function Symbols: ...

(NFS) Name vs Function Symbol: ...

...

## Simple example

Problem to solve:  $p(x, y) = ? q(f(a), g(b))$

Solution: ...

# Steps Pre-Unification

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# Steps Constraint-Simplification

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# System Model

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# Workflow

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