tool

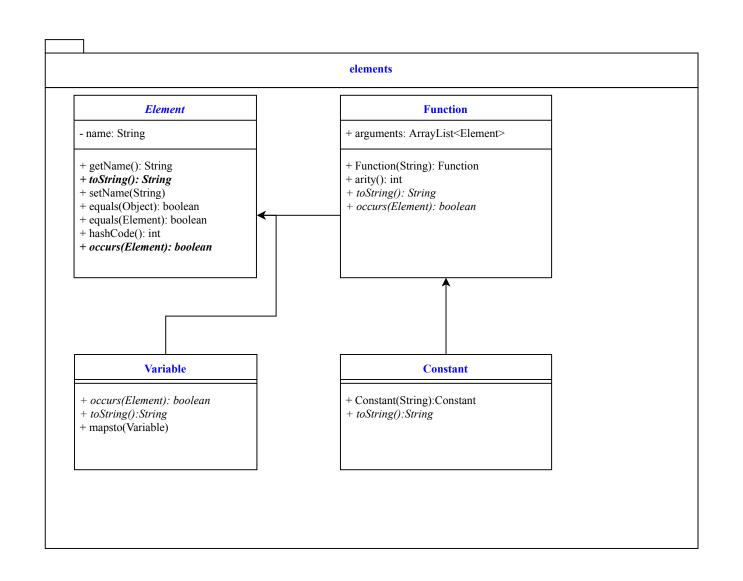
Tuple<E>

- f: E
- s: E
- + Tuple(E,E): Tuple + getFirst(): E + setFirst(E) + getSecond(): E + setSecond(E) + toString(): String

Matrix

- content: float[]
 size: int

- + Matrix(int): Matrix + putAt(Tuple<Integer>,float) + getAt(Tuple<Integer>): float + isPM(Matrix): boolean + getSize():int



unificationProblem

Unifier

- right: Element
- left: Element
- numberOfFunctions: int
- sortedListOfFunctions: ArrayList<Function>
- proximityRelations: Matrix
- openCases: ArrayList<Tuple<Functions>>
- + addOpenCase(Tuple<Function): boolean
- + getNextOpenCase(): Tuple<Function>
- + closeCase(Tuple<Function>,float): boolean
- + getRight(): Element
- + setRight(Element)
- + getLeft(): Element
- + setLeft(Element)
- + getNumberOfFunctions(): int
- + setNumberOfFunctions(int)
- + getSortedListOfFunctions(): ArrayList<Function>
- + setSortedListOfFunctions(ArrayList<Function>)
- + getProximityRelations(): Matrix
- + setProximityRelations(Matrix)

inputParser

- FIRST_VARIABLE: char = 'u'
- listOfFunctions: ArrayList<Function>

+ parse(String): ArrayList<Unifier>

- parseSub(String): Element

Problem

- + p: ArrayList<Tuple<Element>>
- + c: ArrayList<Tuple<Element>>
- + sigma: ArrayList<Tuple<Element>>
- + psi: ArrayList<Tuple<Element>>
- lambda: float

methods

ALGORITHMS

- + <u>preUnification(Problem)</u>: boolean
- preUnification Rules ...