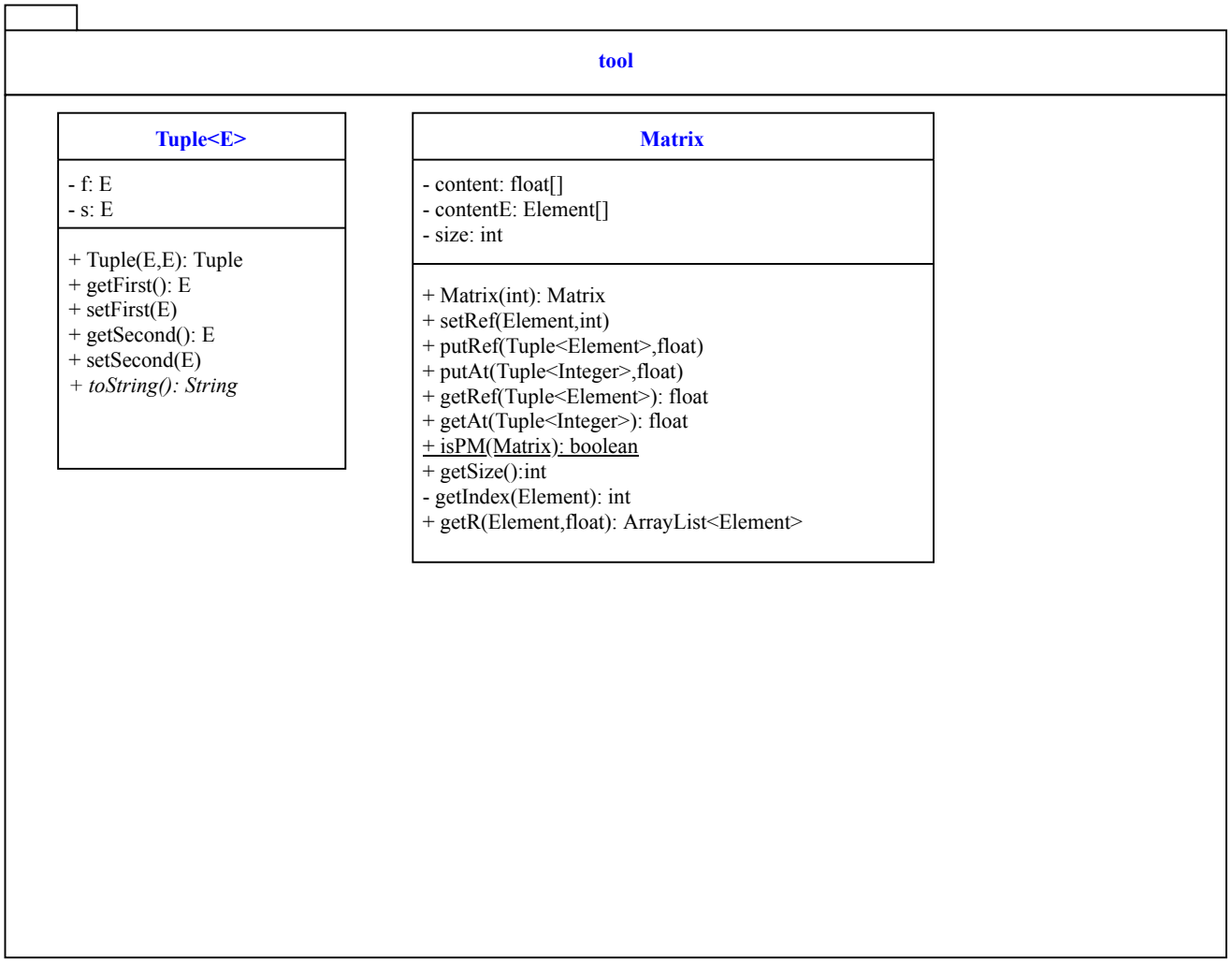
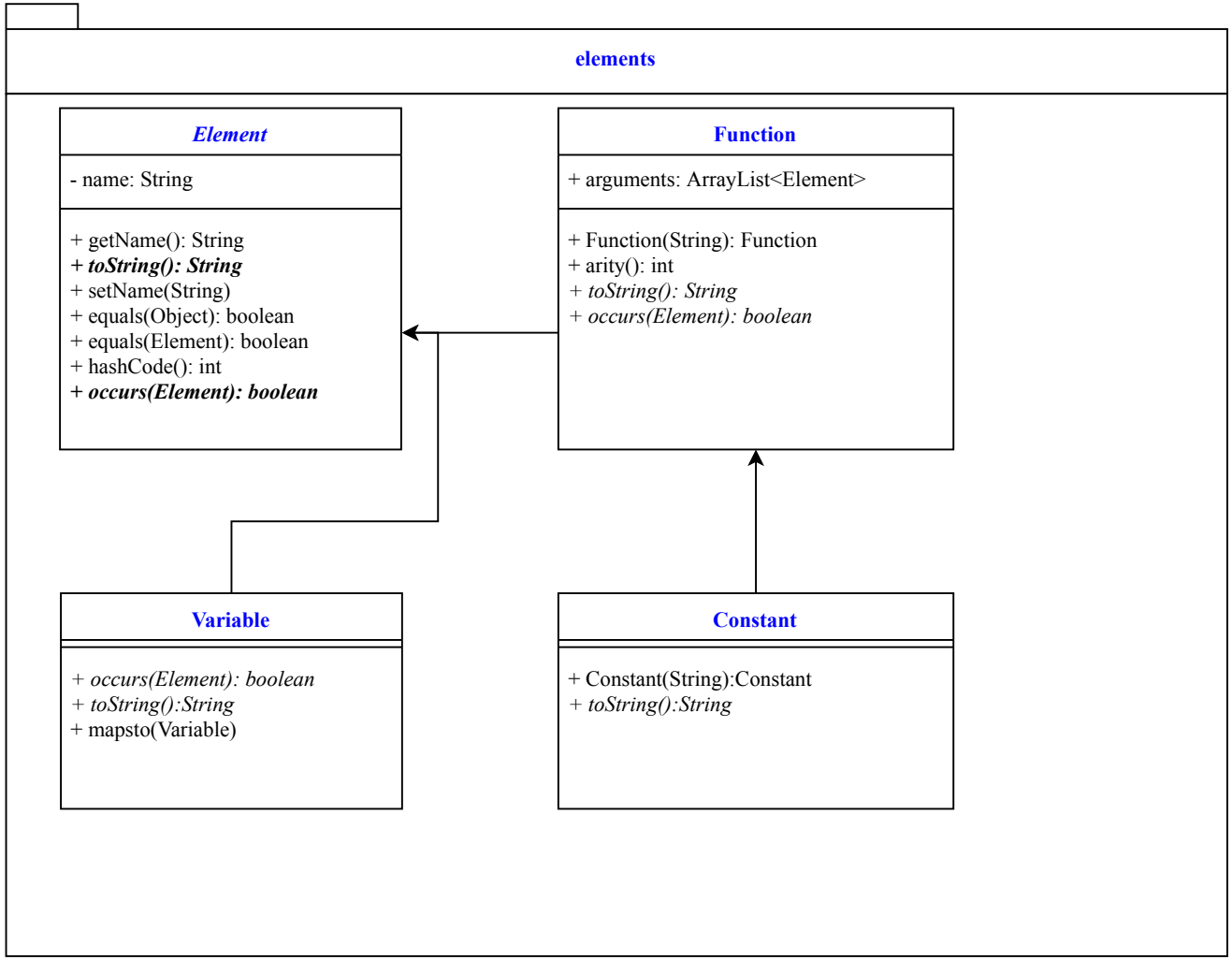
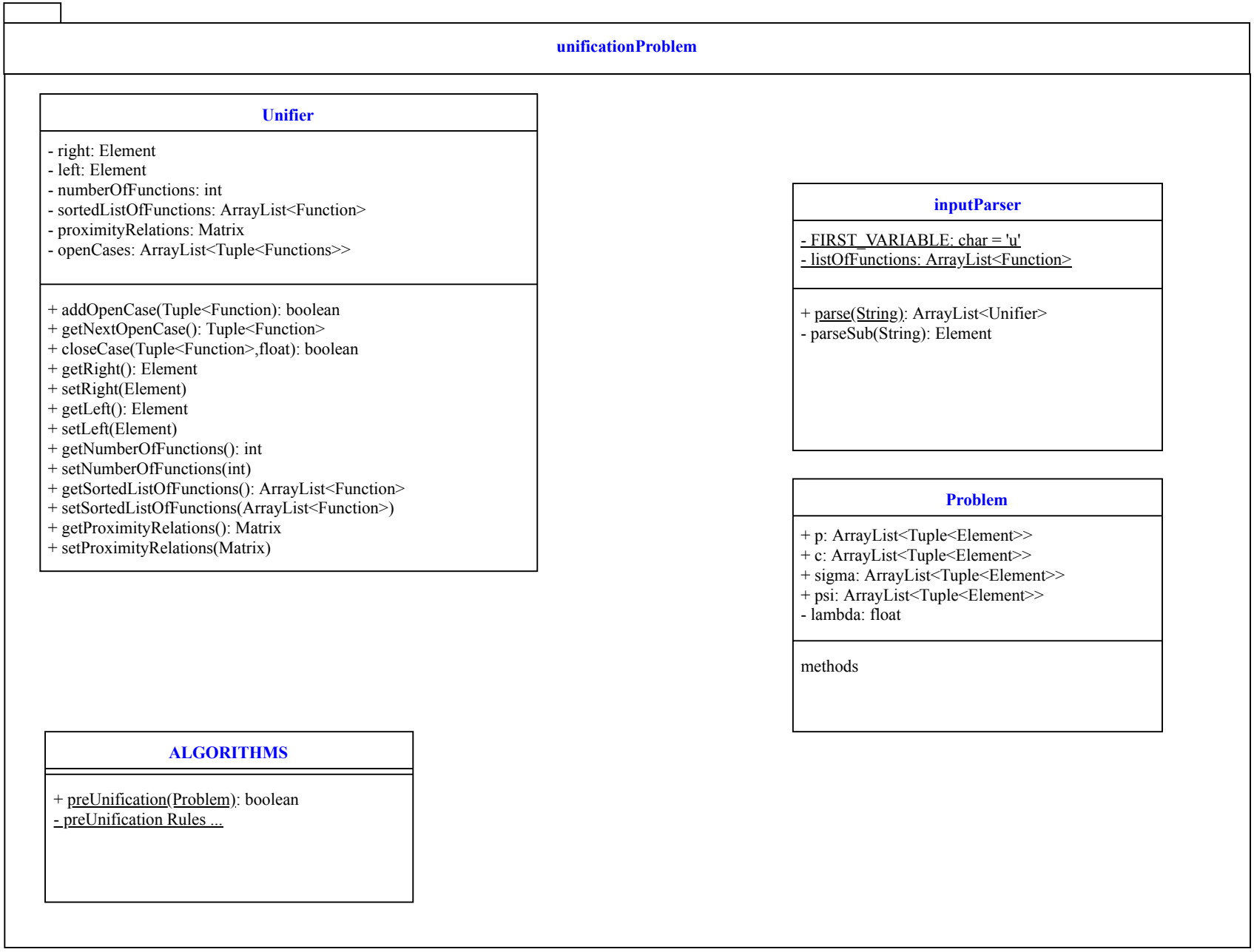

tool
Tuple<E>
- f: E
- s: E
+ Tuple(E,E): Tuple
+ getFirst(): E
+ setFirst(E)
+ getSecond(): E
+ setSecond(E)
+ toString(): String
Matrix
- content: float[]
- contentE: Element[]
- size: int
+ Matrix(int): Matrix
+ setRef(Element,int)
+ putRef(Tuple<Element>,float)
+ putAt(Tuple<Integer>,float)
+ getRef(Tuple<Element>): float
+ getAt(Tuple<Integer>): float
+ isPM(Matrix): boolean
+ getSize():int
- getIndex(Element): int
+ getR(Element,float): ArrayList<Element>


elements
Element
- name: String
+ getName(): String
+ toString(): String
+ setName(String)
+ equals(Object): boolean
+ equals(Element): boolean
+ hashCode(): int
+ occurs(Element): boolean
Function
+ arguments: ArrayList<Element>
+ Function(String): Function
+ arity(): int
+ toString(): String
+ occurs(Element): boolean
Variable
+ occurs(Element): boolean
+ toString():String
+ mapsto(Variable)
Constant
+ Constant(String):Constant
+ toString():String


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
+ preUnification(Problem): boolean
- preUnification Rules ...