











# ♠ Dashboard



Compiler Compiler





## Algorithms







Assignments









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### LEXICAL ANALYSIS > INPUT REGULAR EXPRESSIONS



Dashboard



Compiler Compiler



Algorithms

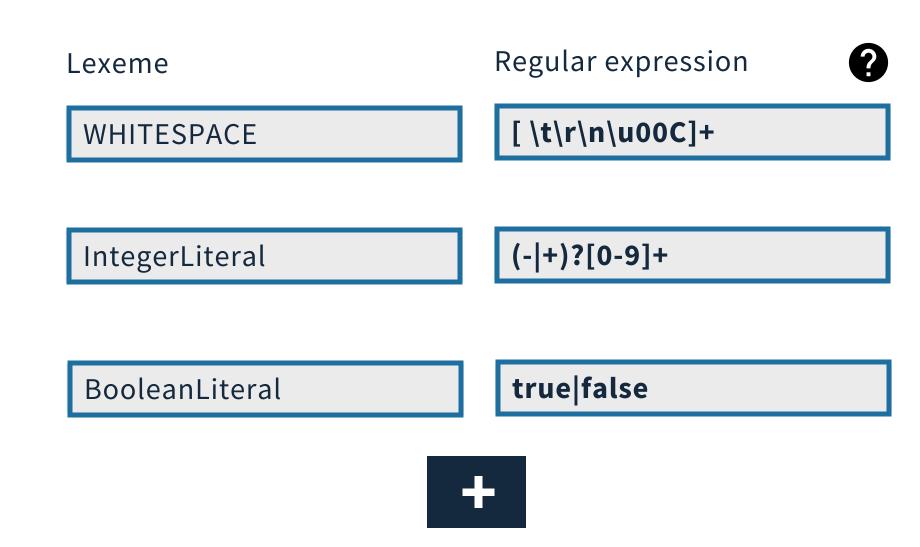


CC Assistant



Assignments

















LEXICAL ANALYSIS > INPUT REGULAR EXPRESSIONS > REGULAR EXPRESSIONS TO NFA







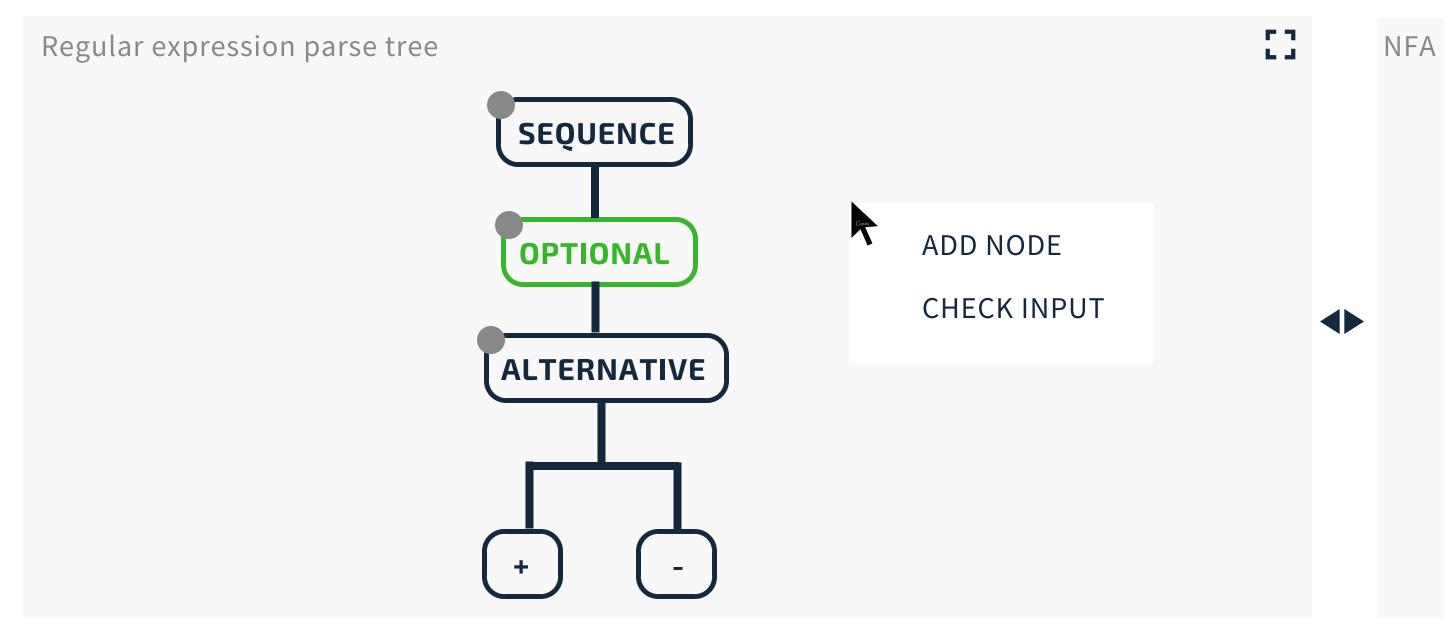
























LEXICAL ANALYSIS > INPUT REGULAR EXPRESSIONS > REGULAR EXPRESSIONS TO NFA







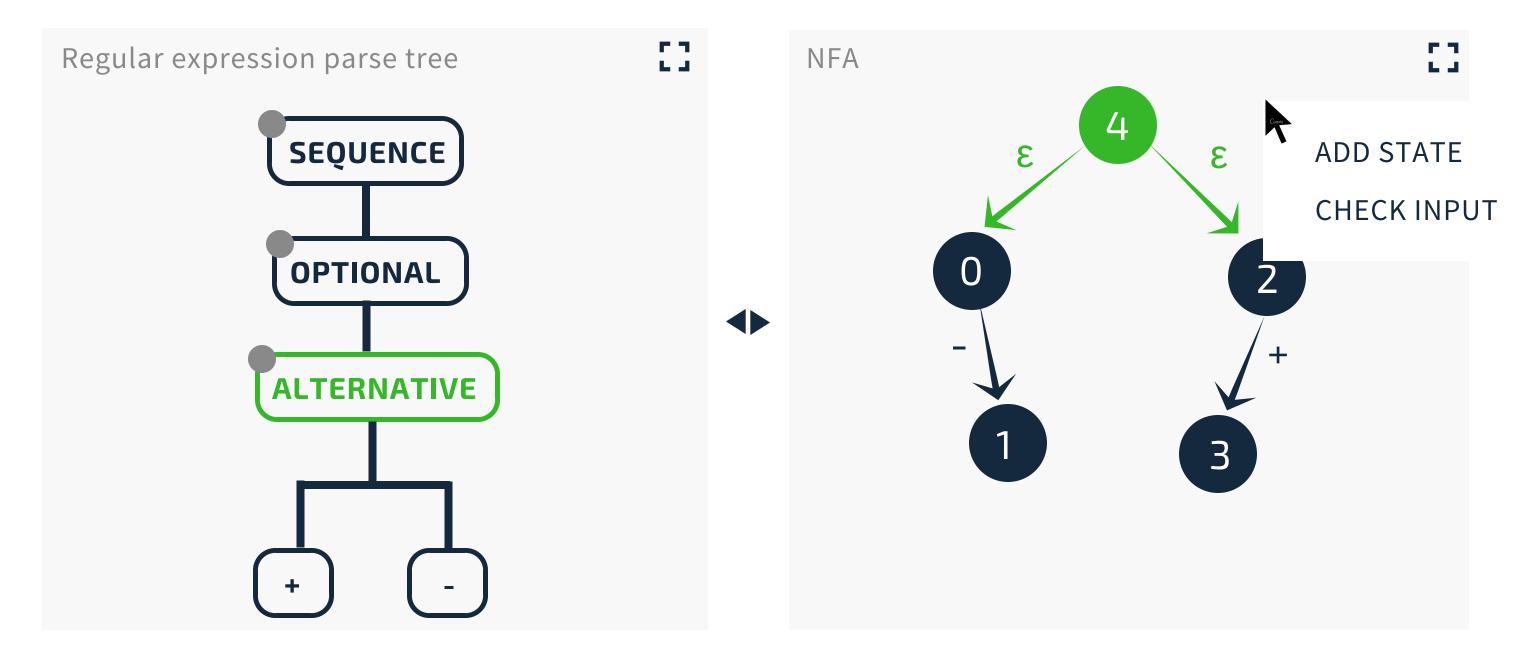












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NEXT













Dashboard



Compiler



Full frontend Lexical analysis

Syntax analysis

Semantic analysis

Garbage collection

CEK machine



Algorithms



CC Assistant



Assignments



Exercises

#### SYNTAX ANALYSIS > INPUT GRAMMAR

### Grammar







program mainClass, { classDeclaration }, EOF

mainClass

CLASS, Identifier, LBRACE, PUBLIC, STATIC,

VOID, "main", LPAREN, RPAREN, LBRACE, statement, RBRACE, RBRACE

### Text to parse





```
public In(java.net.Socket socket) {
        InputStream is = socket.getInputStream();
       scanner = new Scanner(new BufferedInputStream(is), CHARSET_NAME);
        scanner.useLocale(LOCALE);
   catch (IOException ioe) {
        System.err.println("Could not open " + socket);
public In(URL url) {
       URLConnection site = url.openConnection();
       InputStream is
                           = site.getInputStream();
                           = new Scanner(new BufferedInputStream(is), CHARSET_NAME);
        scanner.useLocale(LOCALE);
   catch (IOException ioe) {
        System.err.println("Could not open " + url);
```











Full frontend Lexical analysis

Syntax analysis

Semantic analysis

Garbage collection

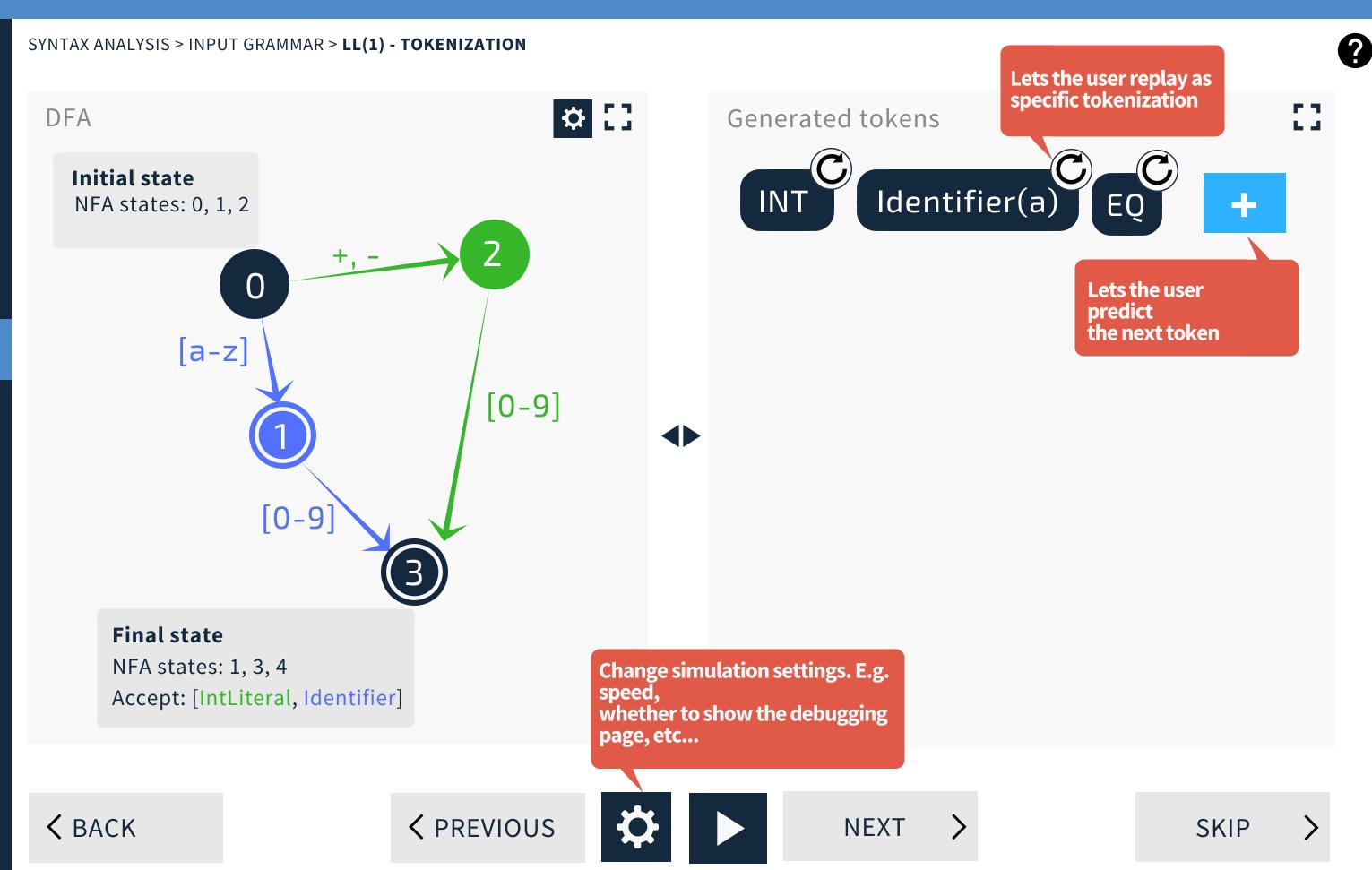
CEK machine

















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Full frontend Lexical analysis

## Syntax analysis

Semantic analysis

Garbage collection

CEK machine



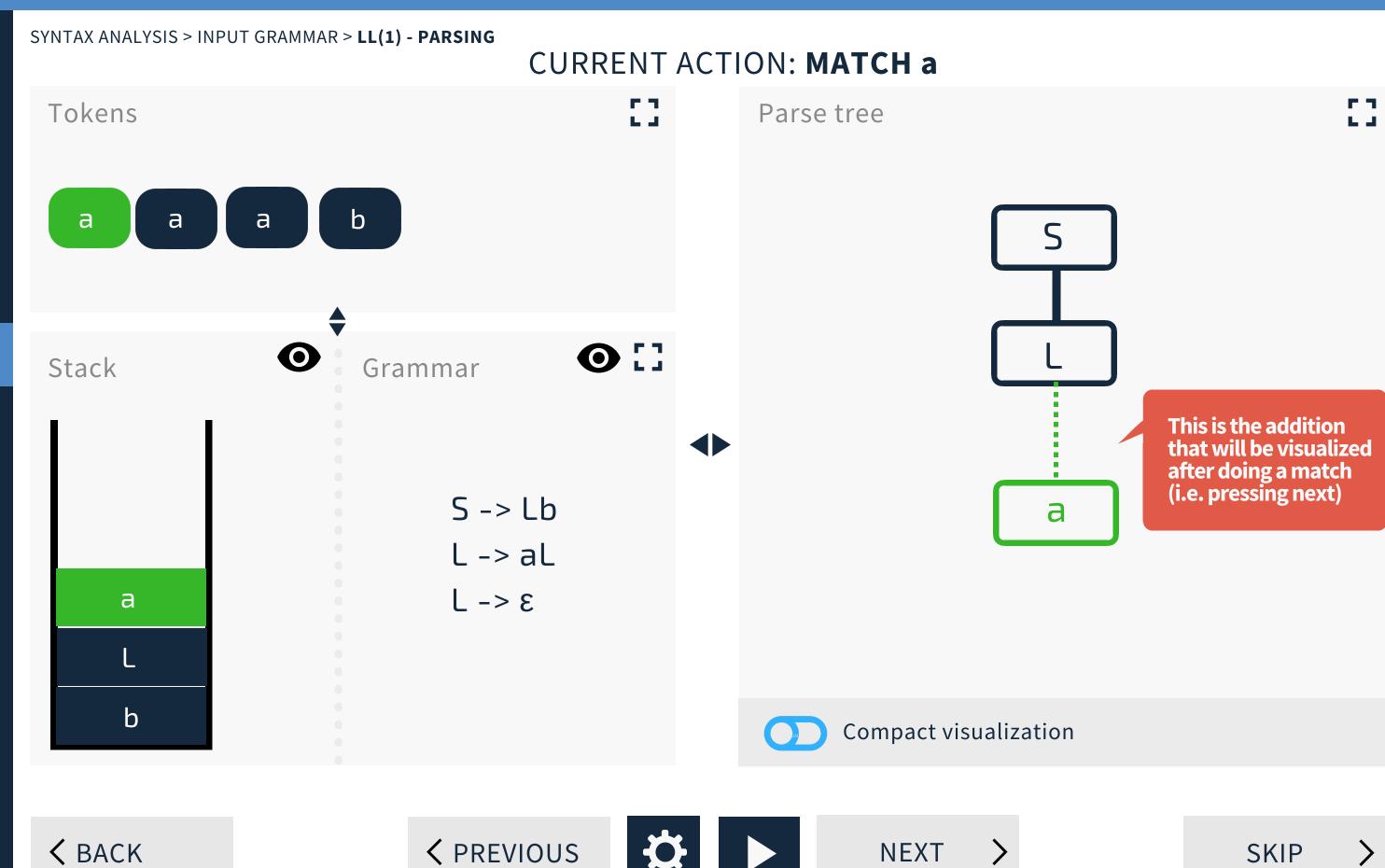
Algorithms





Assignments

















Full frontend

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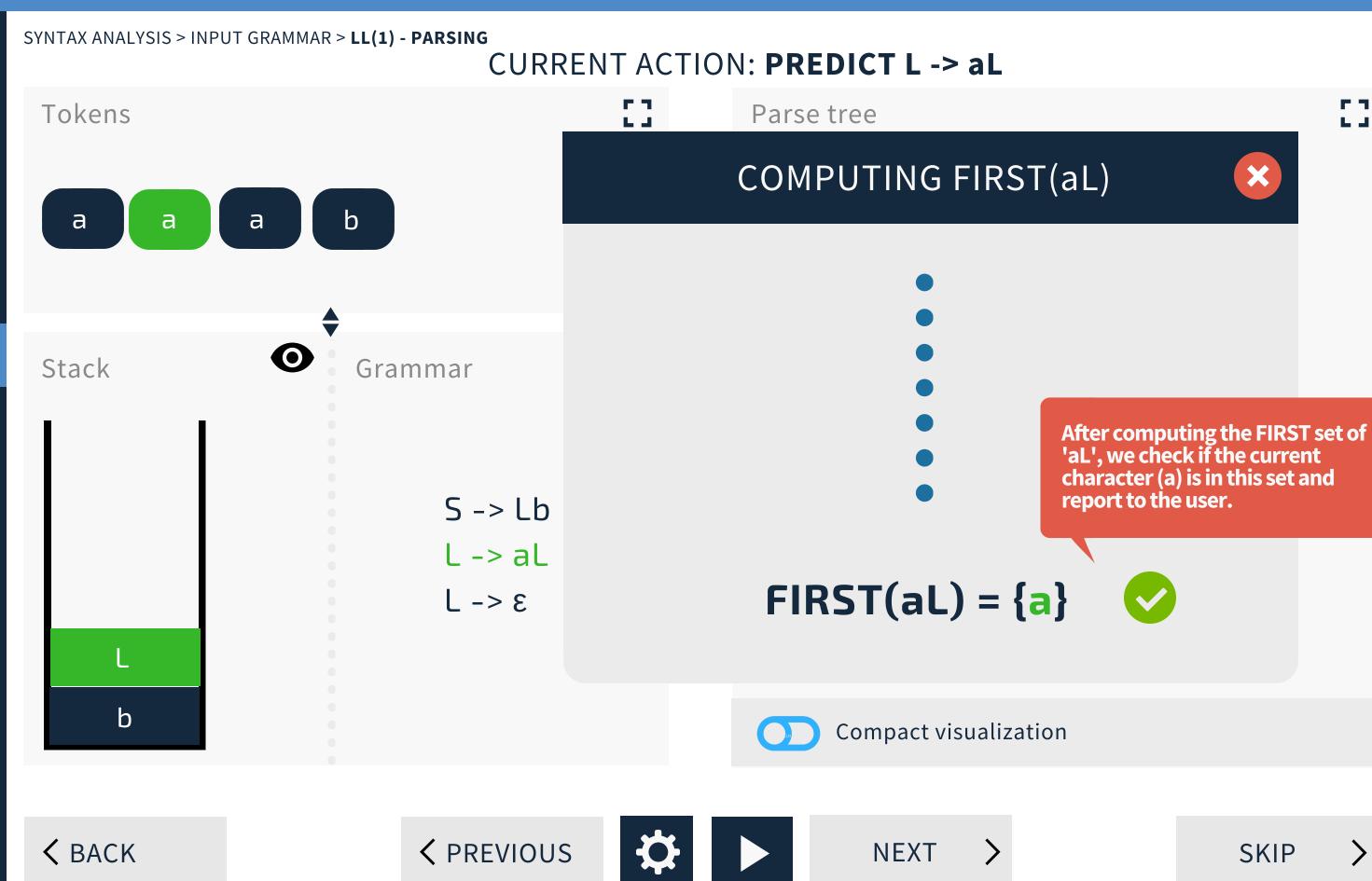


CC Assistant



Assignments











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Full frontend Lexical analysis

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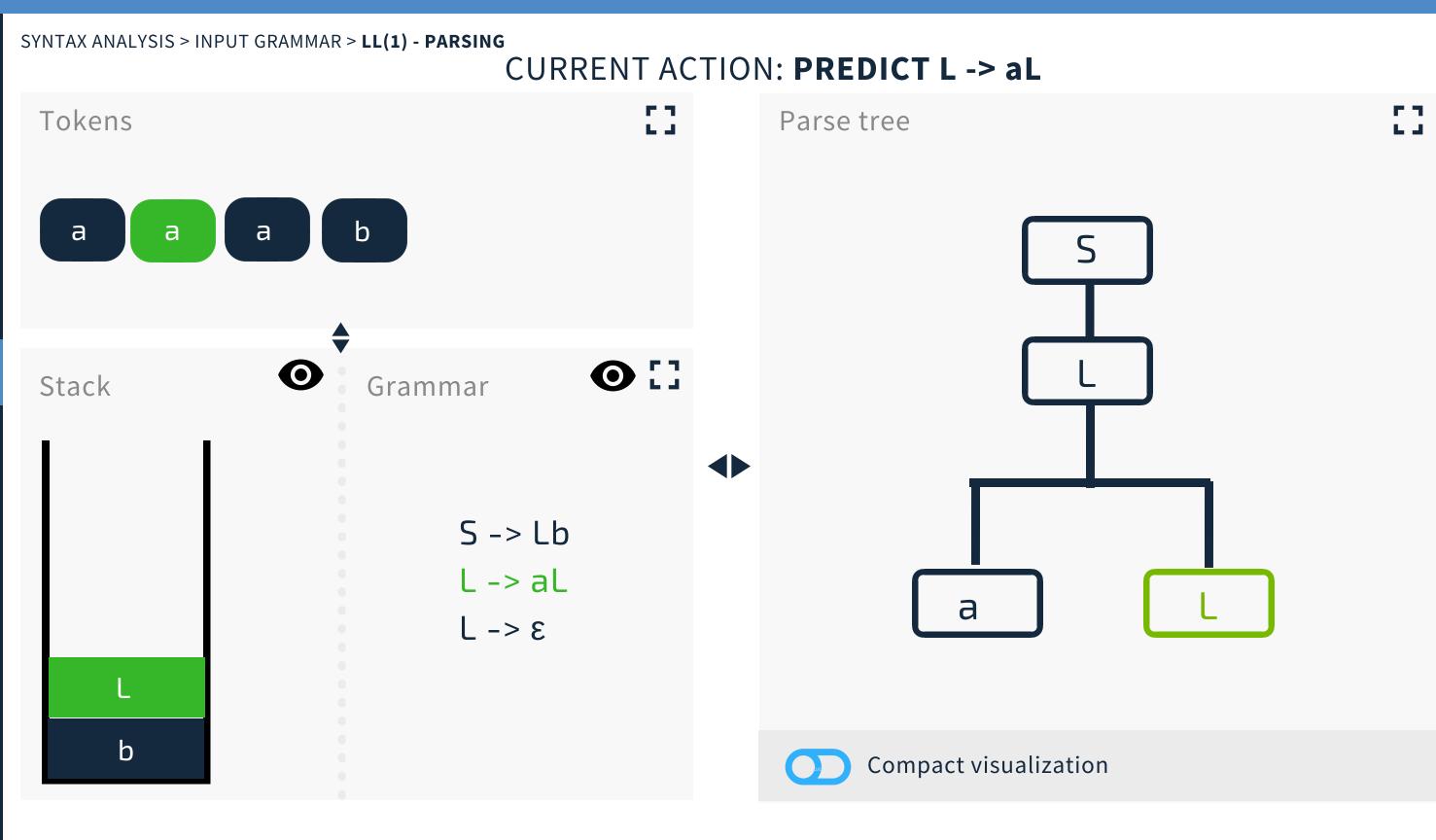


Algorithms





















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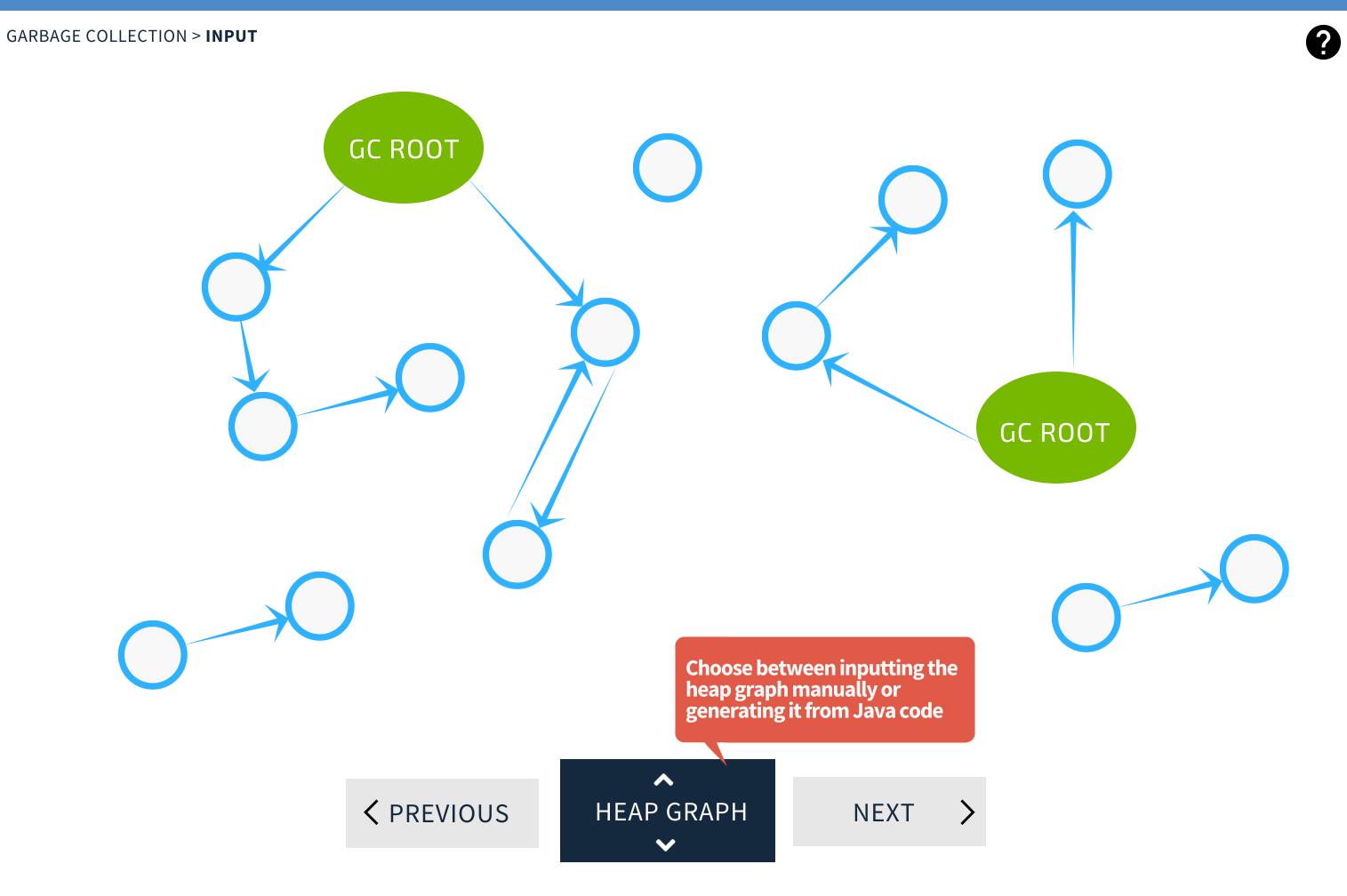






Assignments





NEXT





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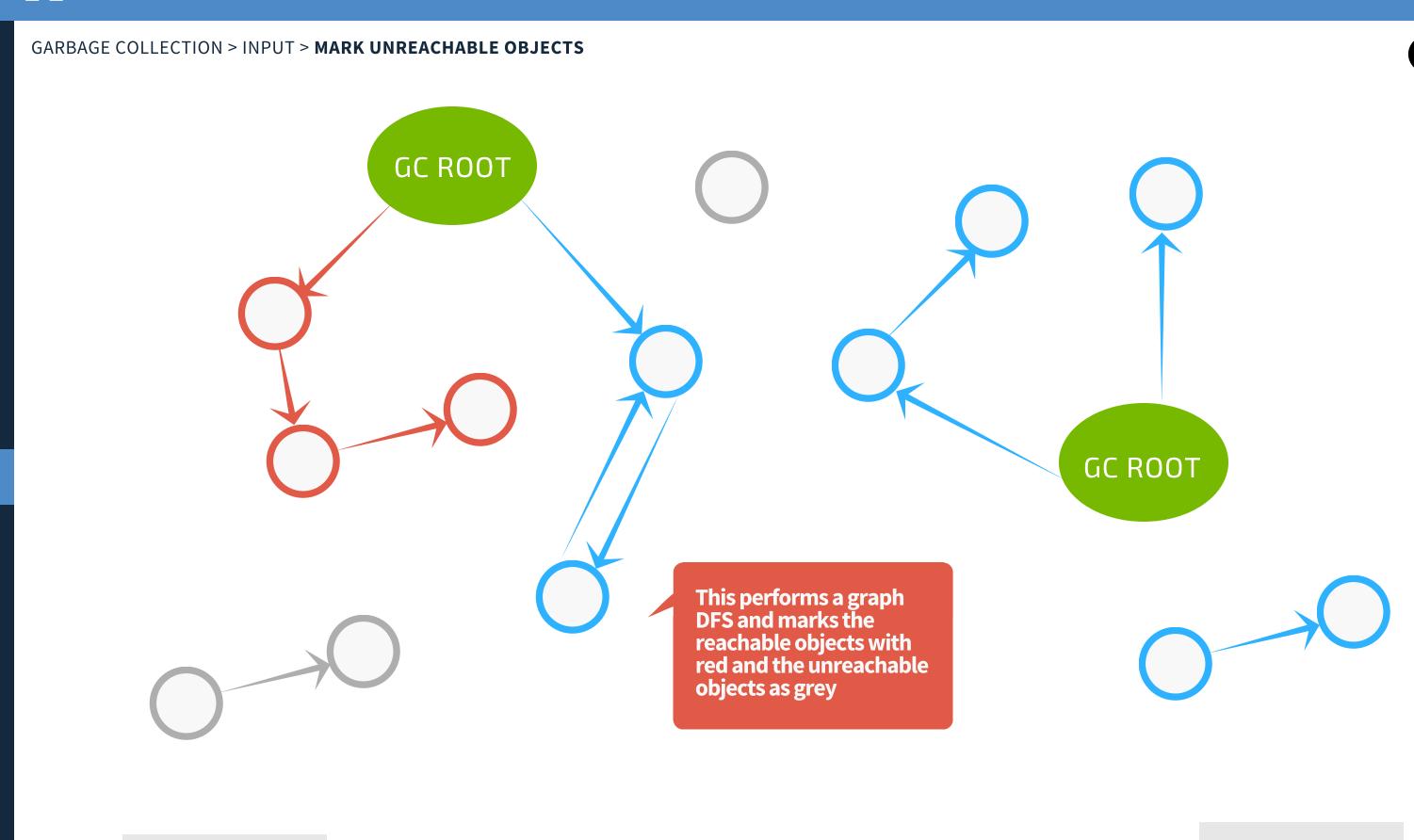
CC Assistant



Assignments

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Full frontend

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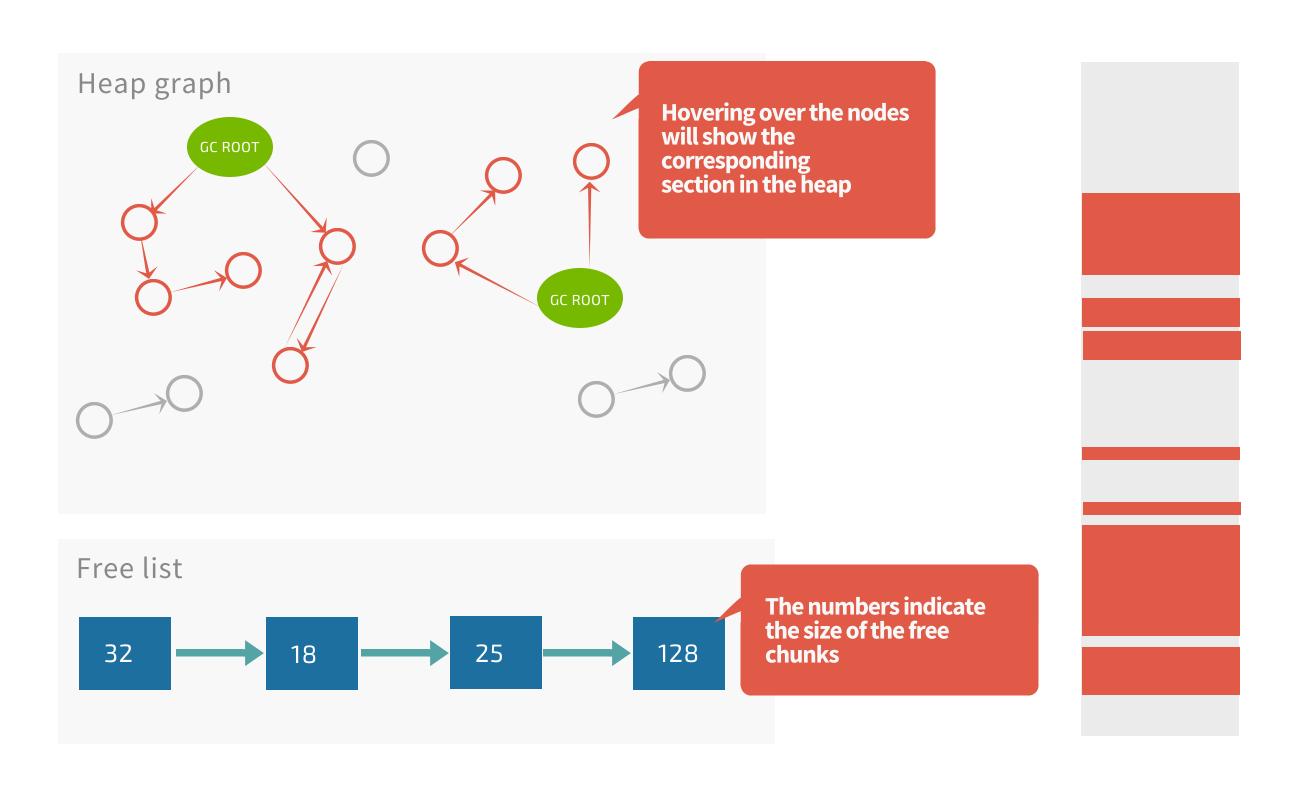
Algorithms











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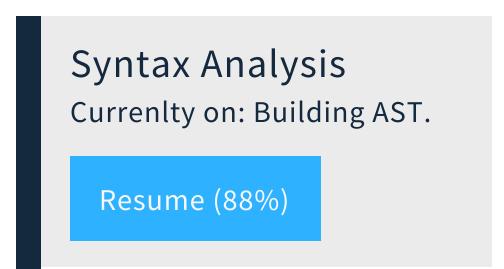








#### CONTINUE DEVELOPMENT



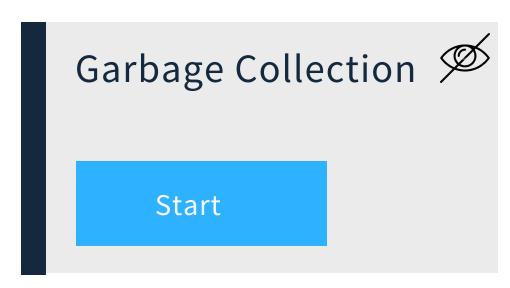
### **ASSIGNMENTS**

NFA to DFA (Resume)

**Grammar Left Factoring (Start)** 

Regex to NFA (Start)

### **SUGGESTED**



#### **CUSTOM TEST CASES**





This is a test case submitted by the teacher



