

*ArrayLiteral*_[yield, Await] :

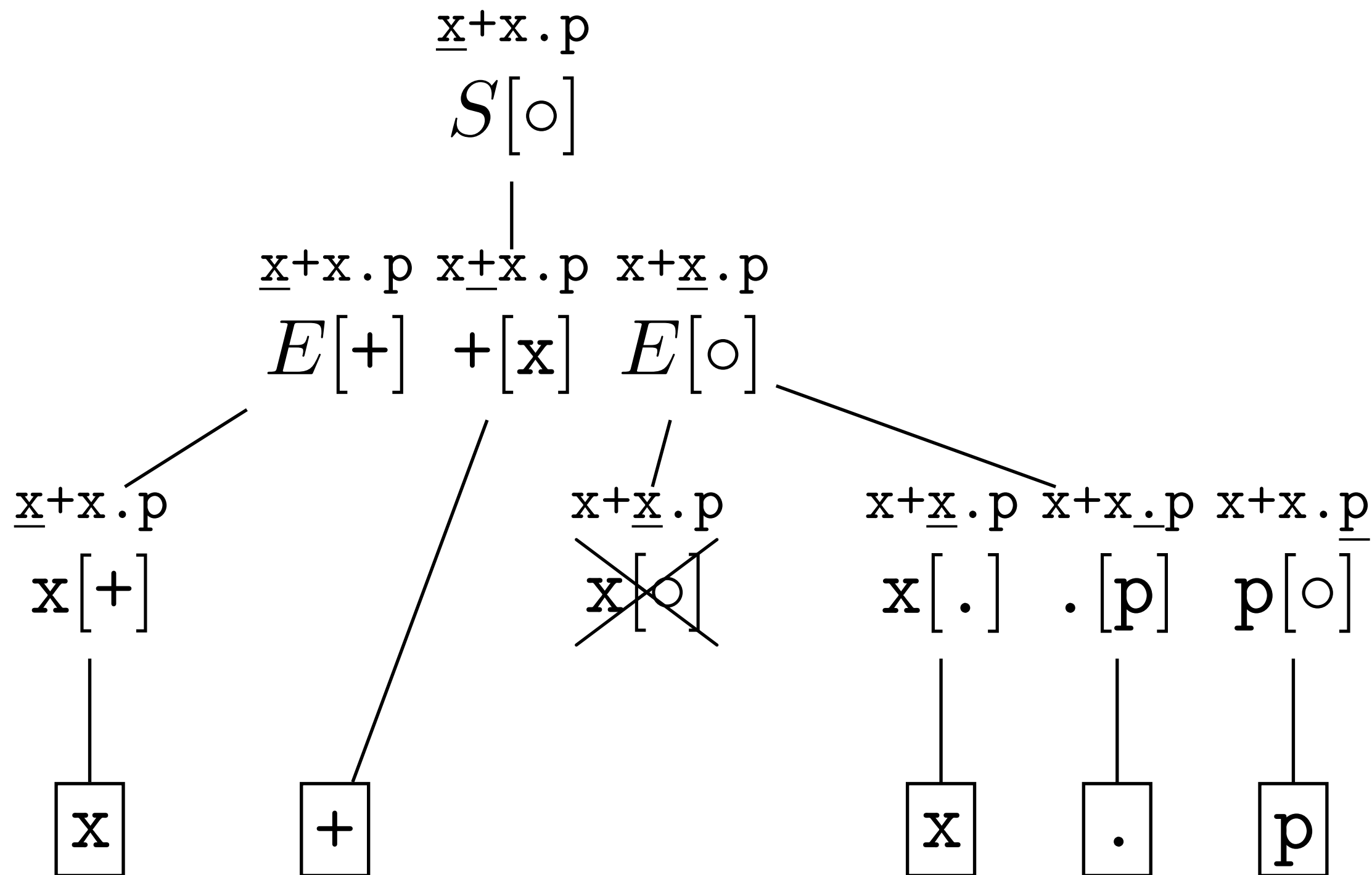
[*Elision*_{opt}]

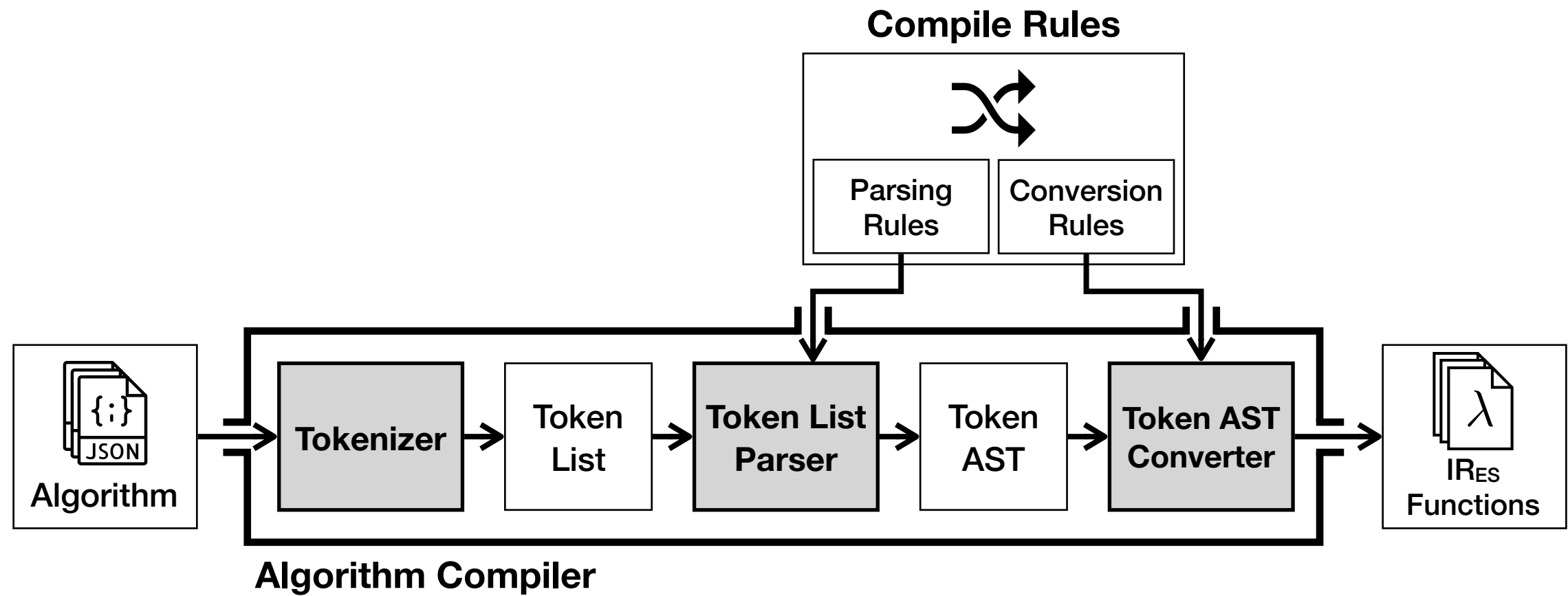
[*ElementList*_[?yield, ?Await]]

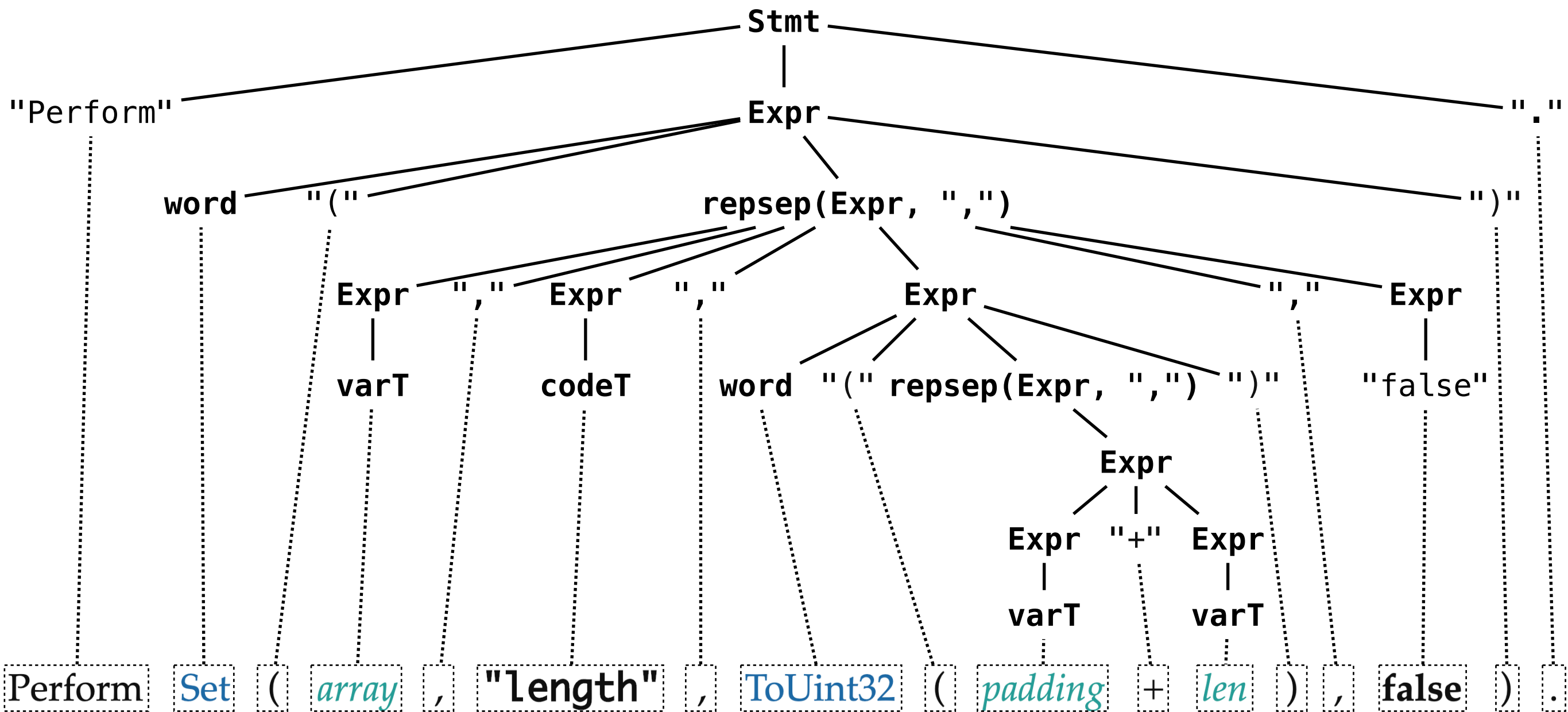
[*ElementList*_[?yield, ?Await] , *Elision*_{opt}]

ArrayLiteral : [*ElementList* , *Elision*_{opt}]

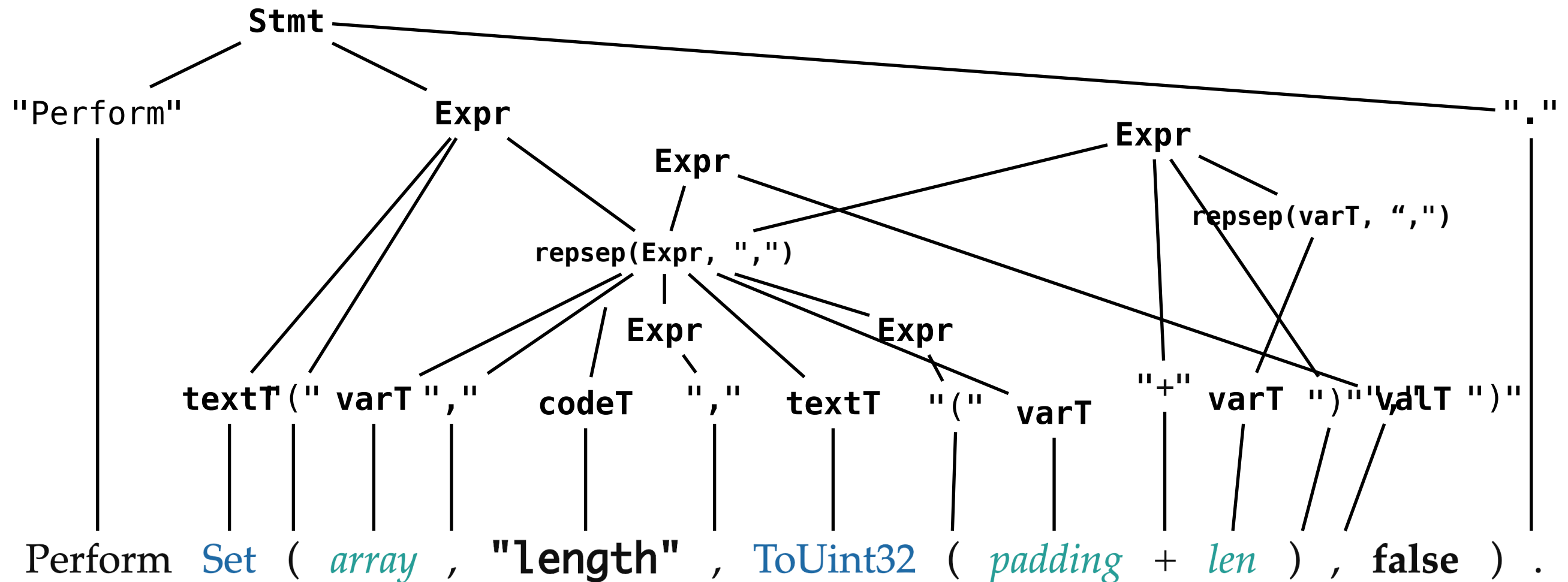
1. Let *array* be ! **ArrayCreate**(0).
2. Let *len* be the result of performing **ArrayAccumulation** for *ElementList* with arguments *array* and 0.
3. **ReturnIfAbrupt**(*len*).
4. Let *padding* be the **ElisionWidth** of *Elision*; if *Elision* is not present, use the numeric value zero.
5. Perform **Set**(*array*, "length", **ToUint32**(*padding* + *len*), **false**).
6. NOTE: The above Set cannot fail because of the nature of the object returned by **ArrayCreate**.
7. Return *array*.



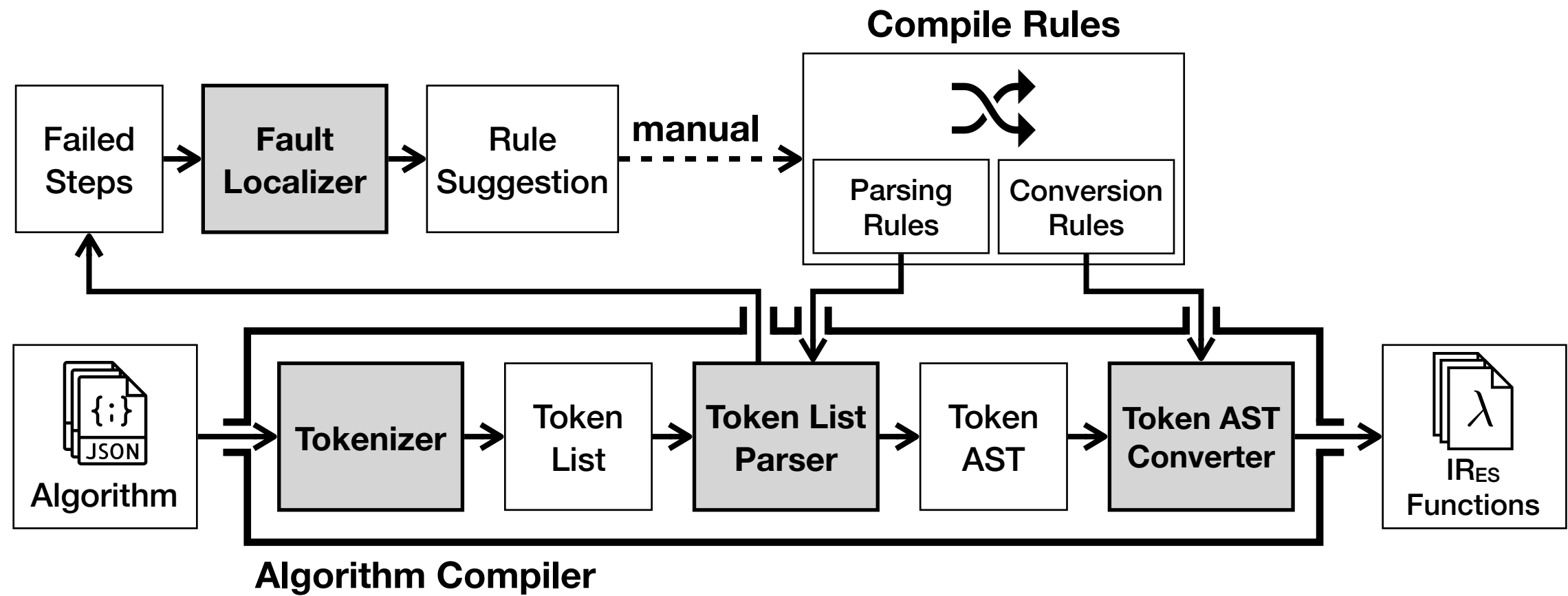


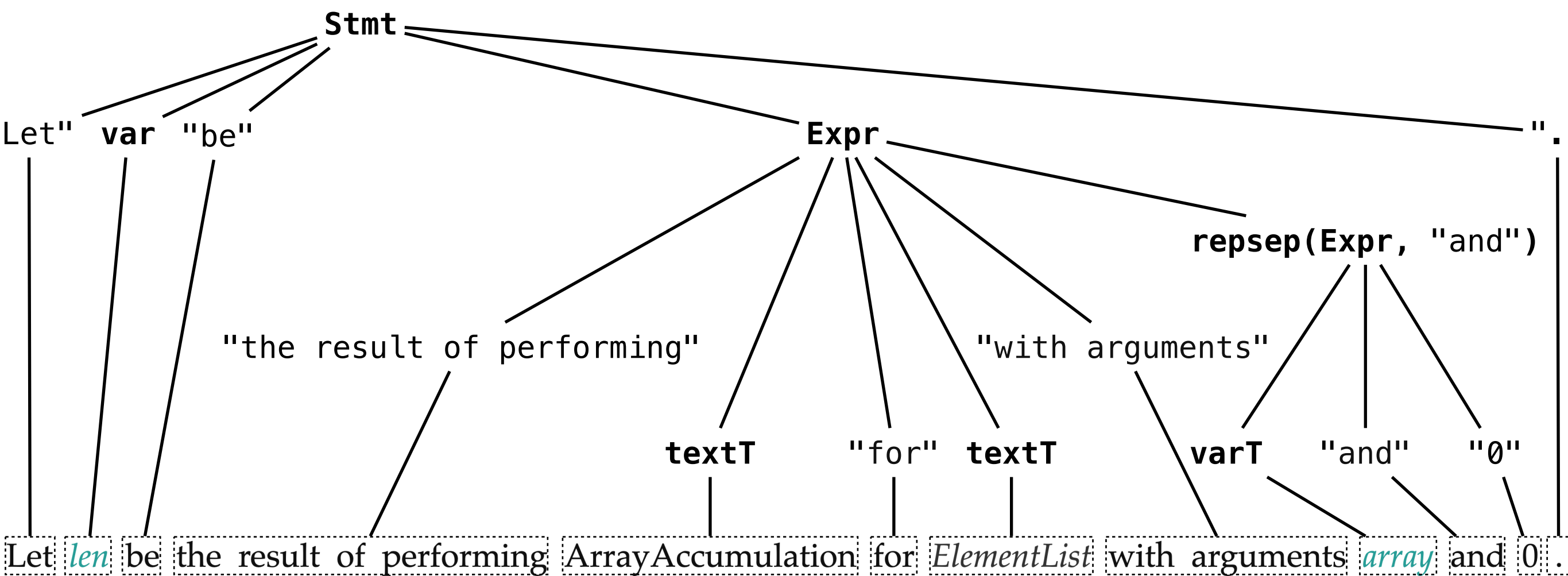


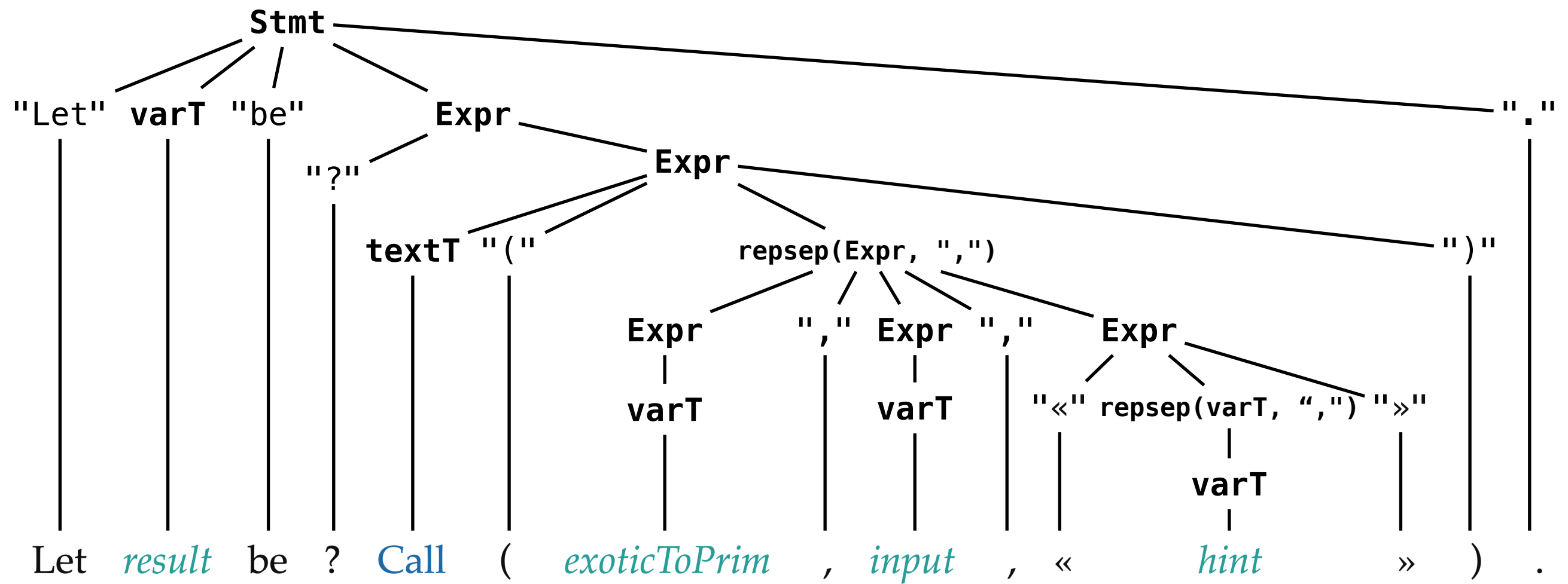
Perform `Set(array, "length", ToUint32(padding + len), false)`.

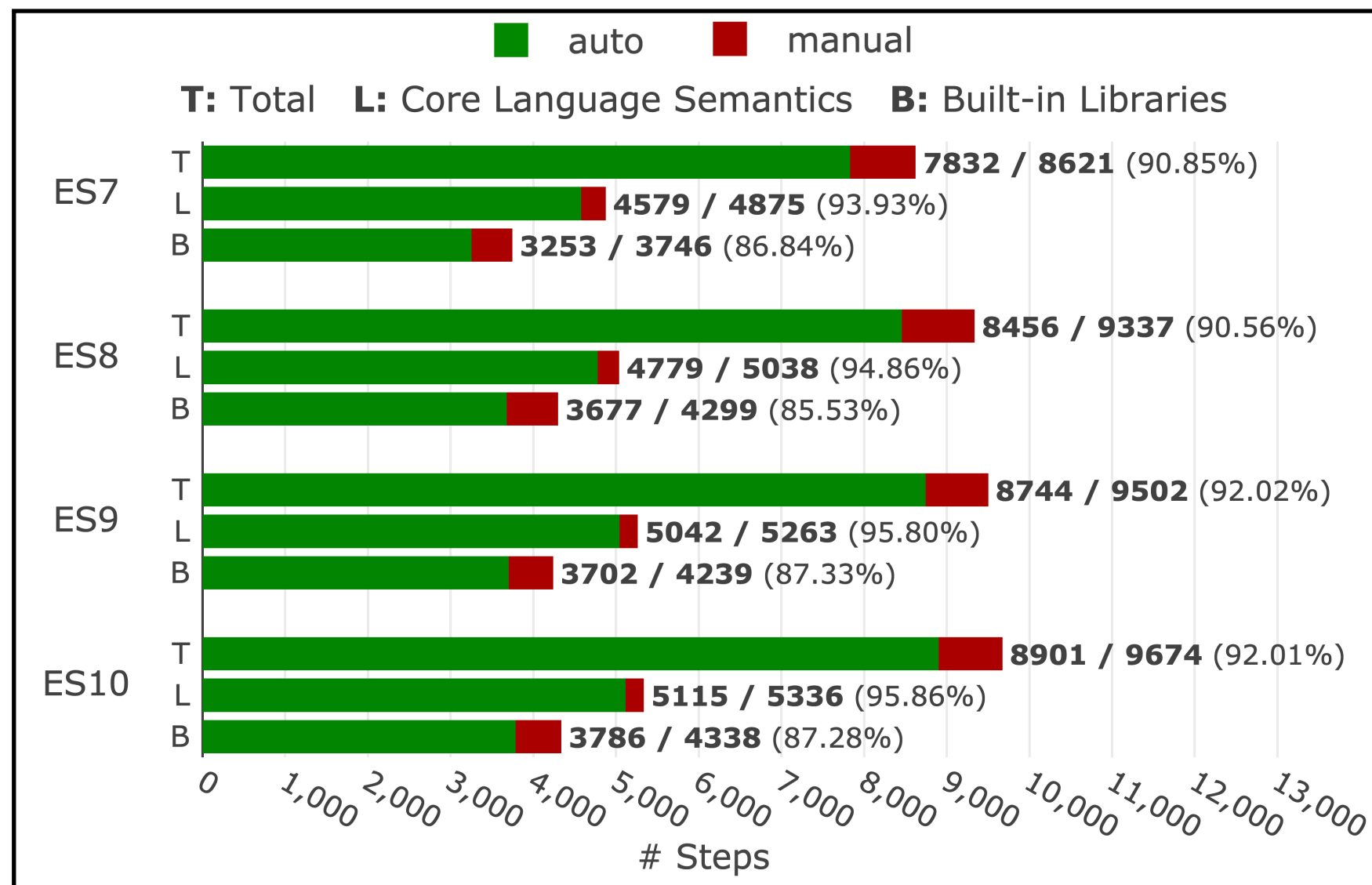


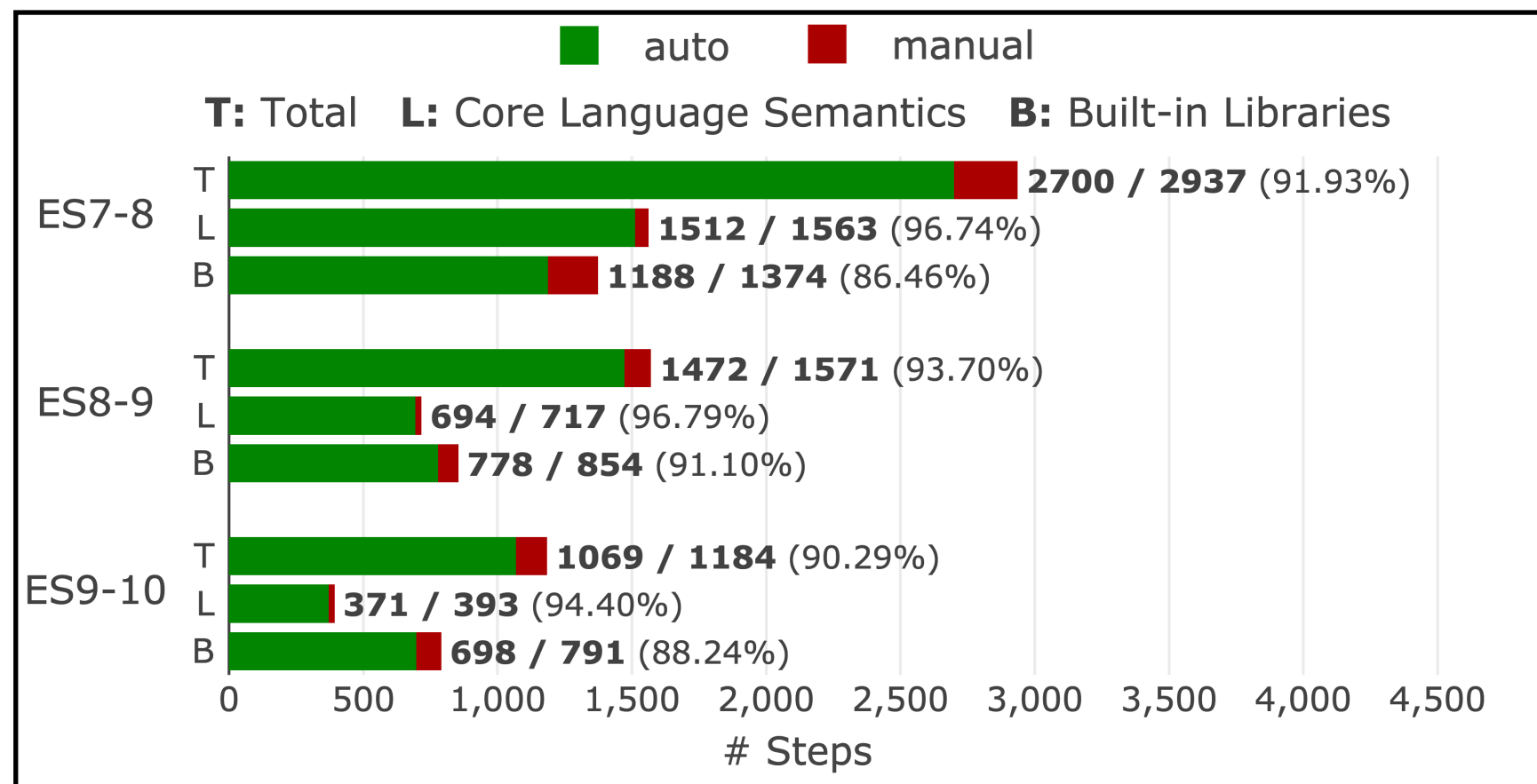
Let *result* be ? Call (*exoticToPrim* , *input* , «



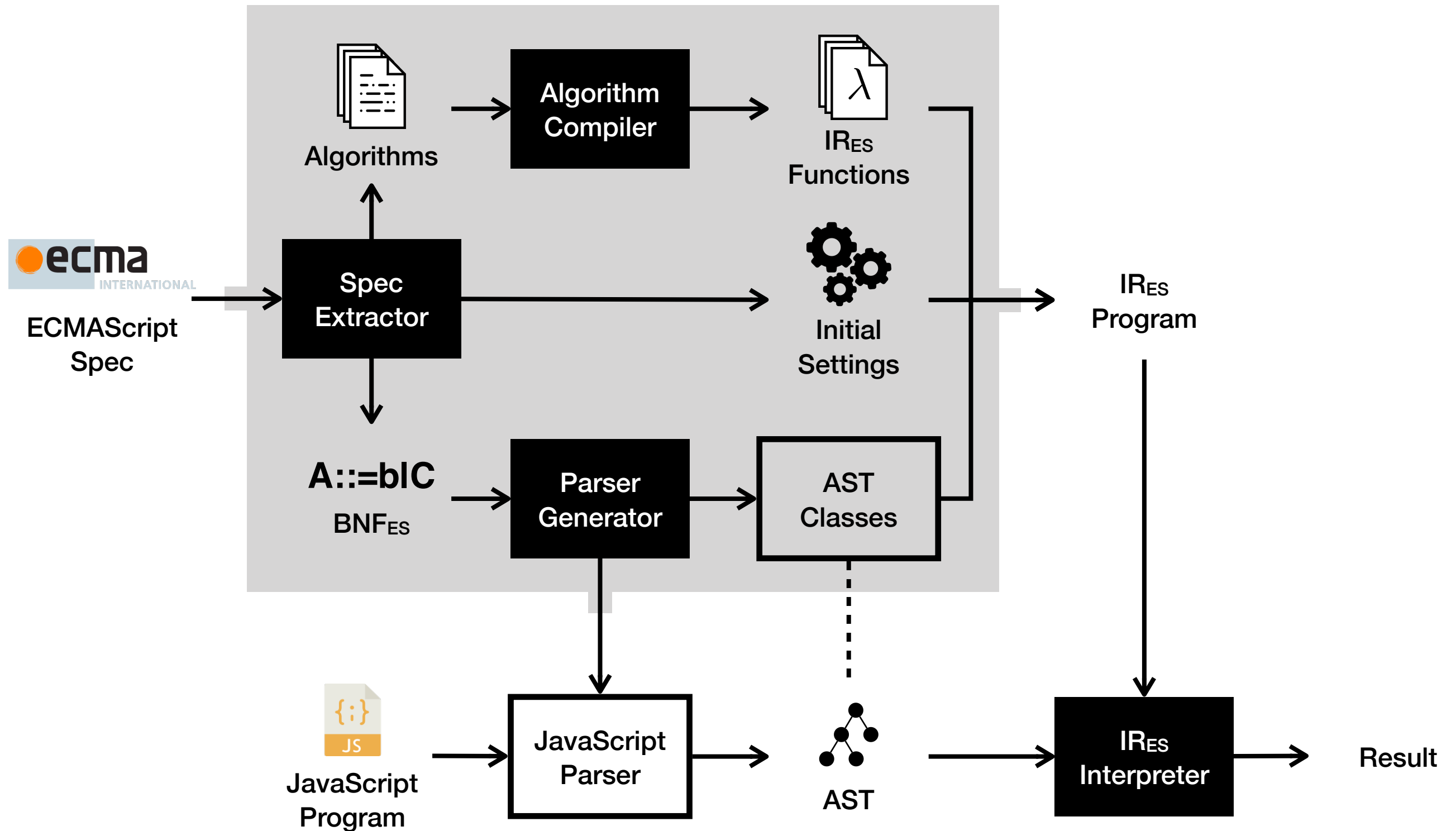








Automatic Semantics Extractor (ASE)





ECMAScript
Spec

Spec
Extractor

manual

$A ::= b|C$
 BNF_{ES}

Algorithms

Section 3

JS Parser
Generator

Section 4

Algorithm
Compiler

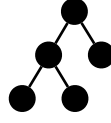
Compile
Rules

Initial
Setting

IR_{ES}
Functions


JavaScript
Program

JavaScript
Parser


JS AST

IR_{ES}
Interpreter

Evaluation
Result

