

*ArrayLiteral*<sub>[yield, Await]</sub> :

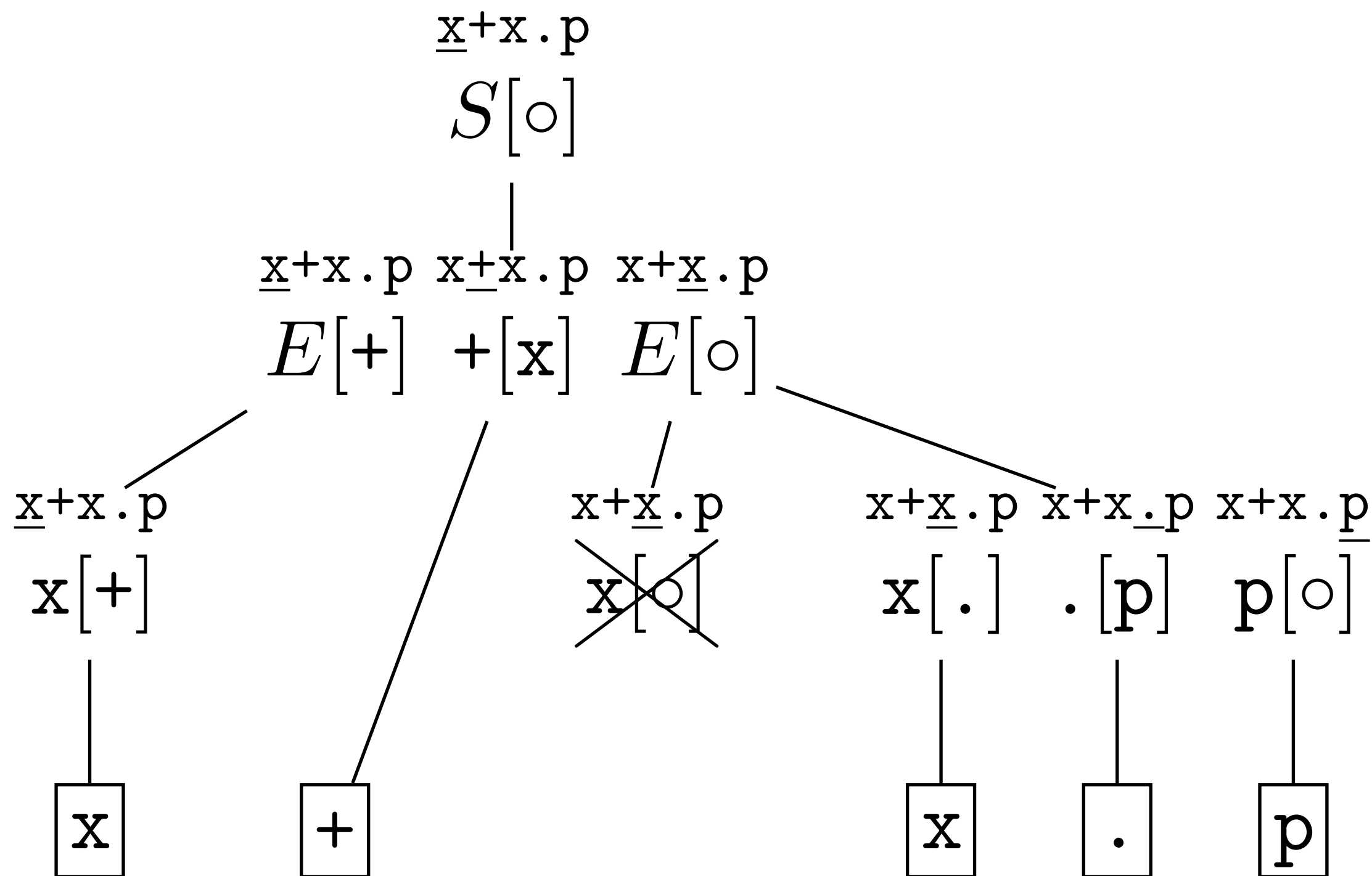
[ *Elision*<sub>opt</sub> ]

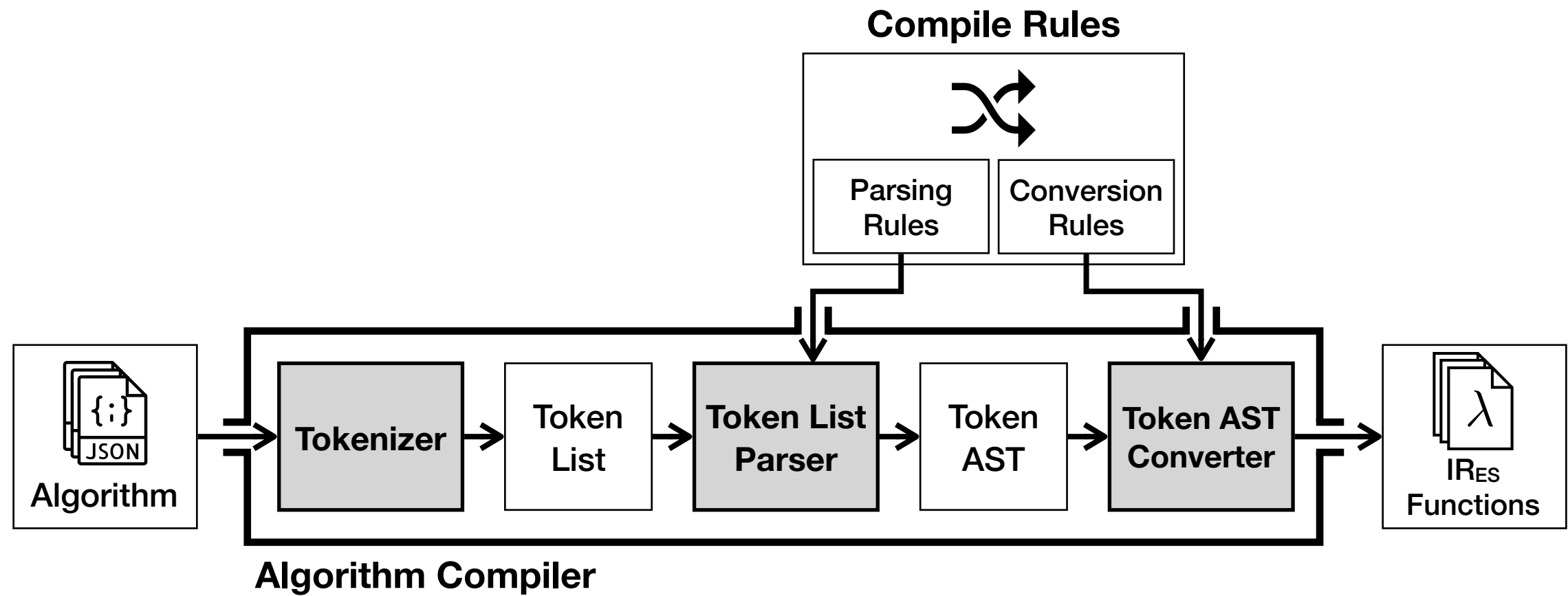
[ *ElementList*<sub>[?yield, ?Await]</sub> ]

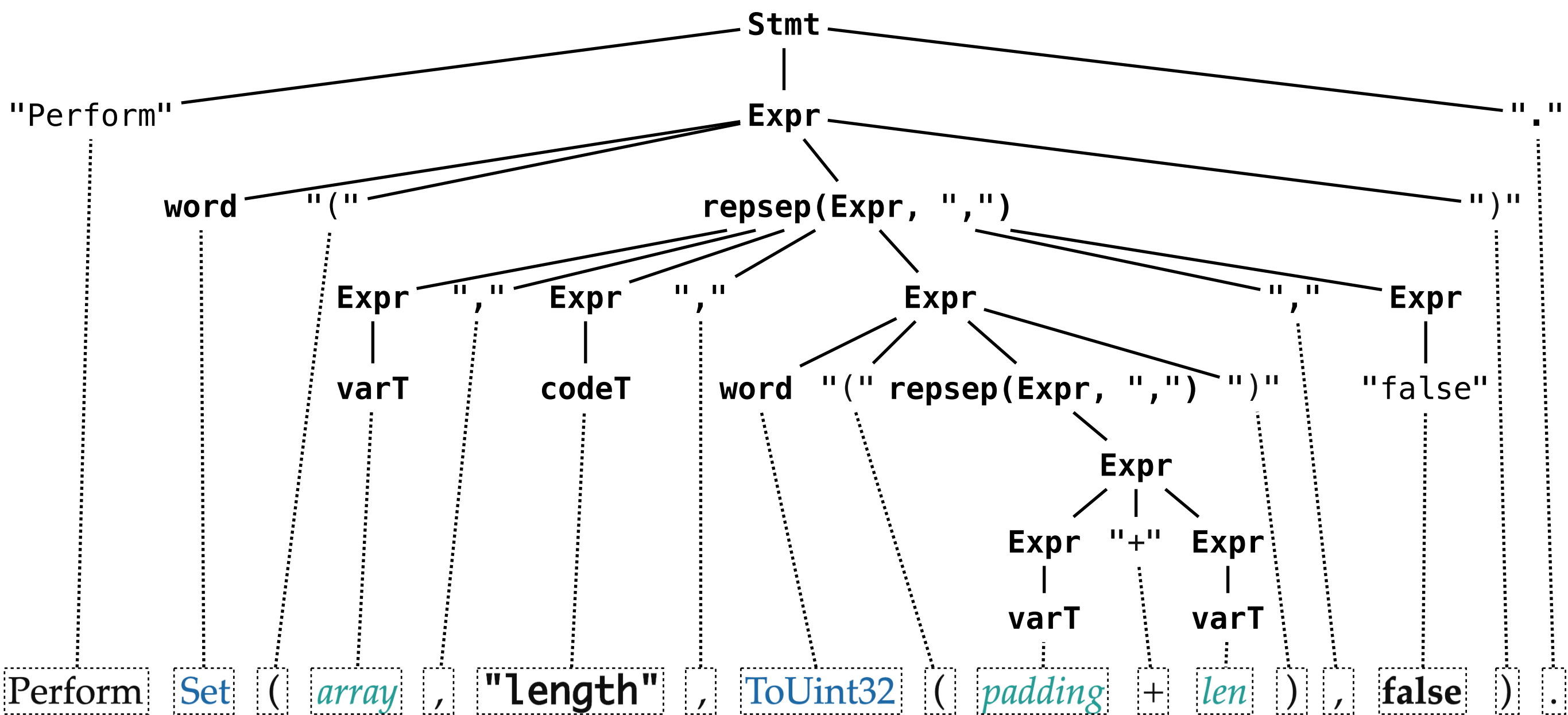
[ *ElementList*<sub>[?yield, ?Await]</sub> , *Elision*<sub>opt</sub> ]

*ArrayLiteral* : [ *ElementList* , *Elision*<sub>opt</sub> ]

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*.



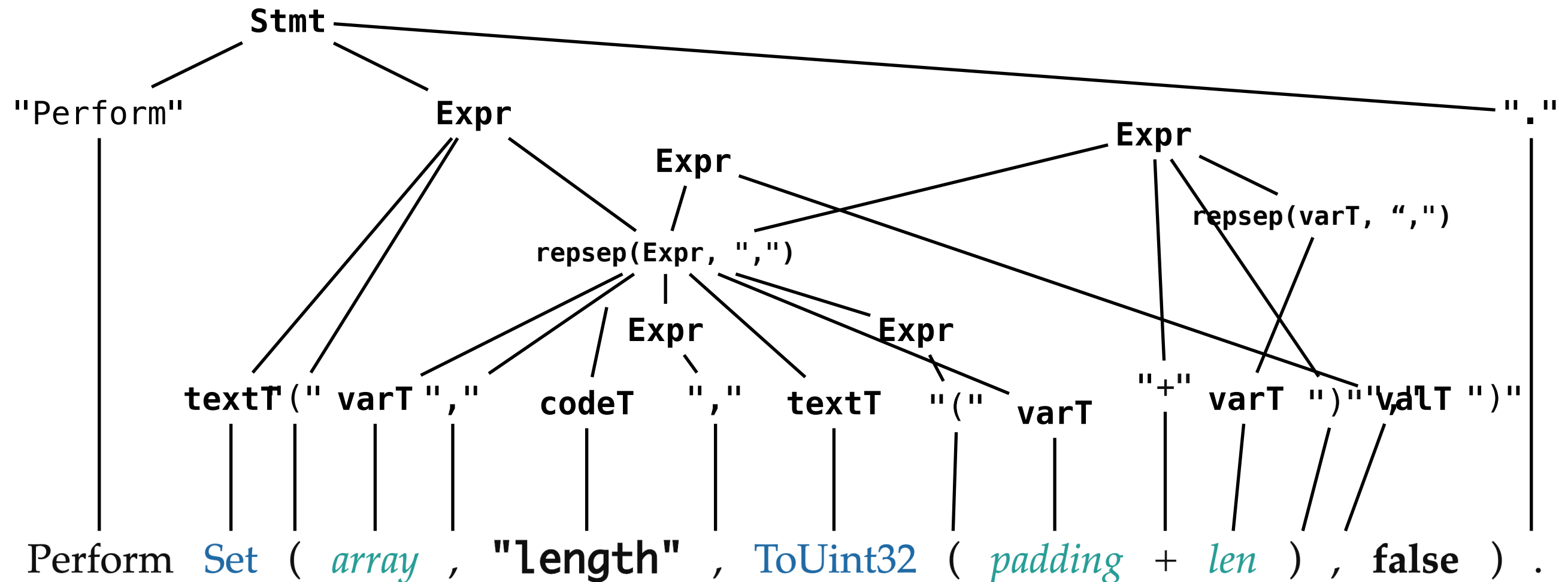




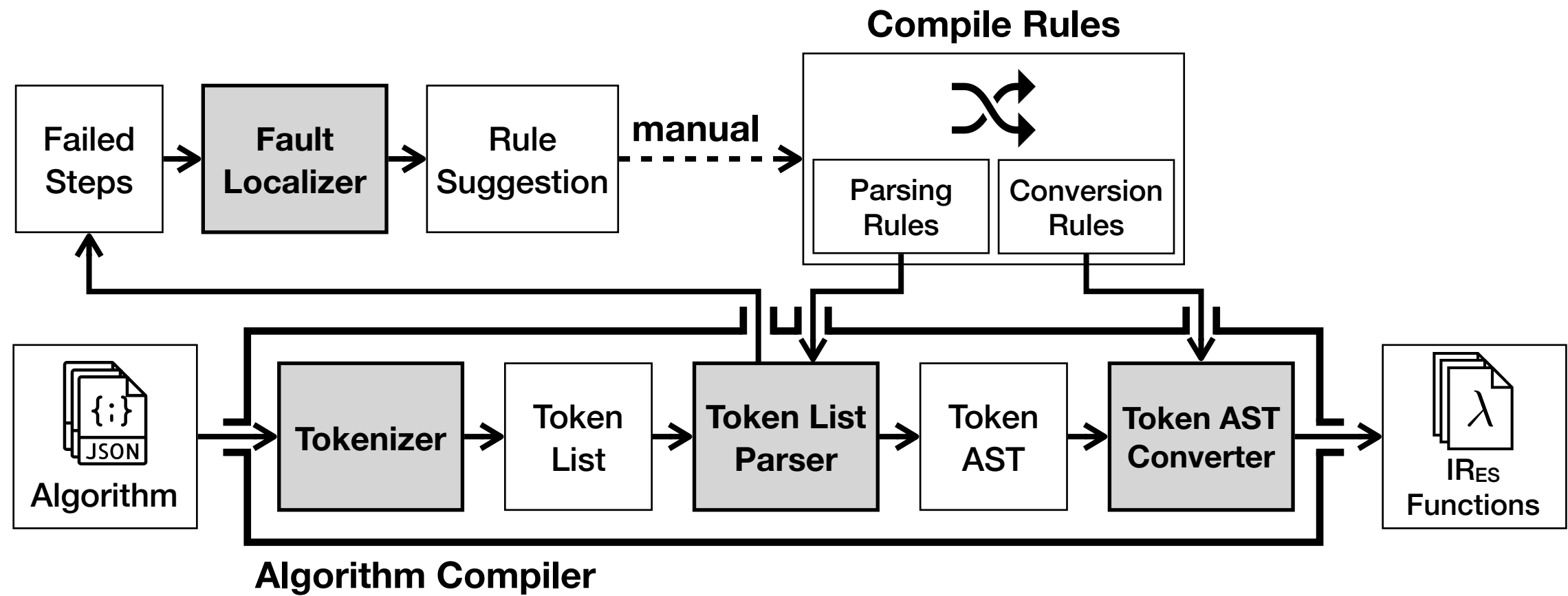


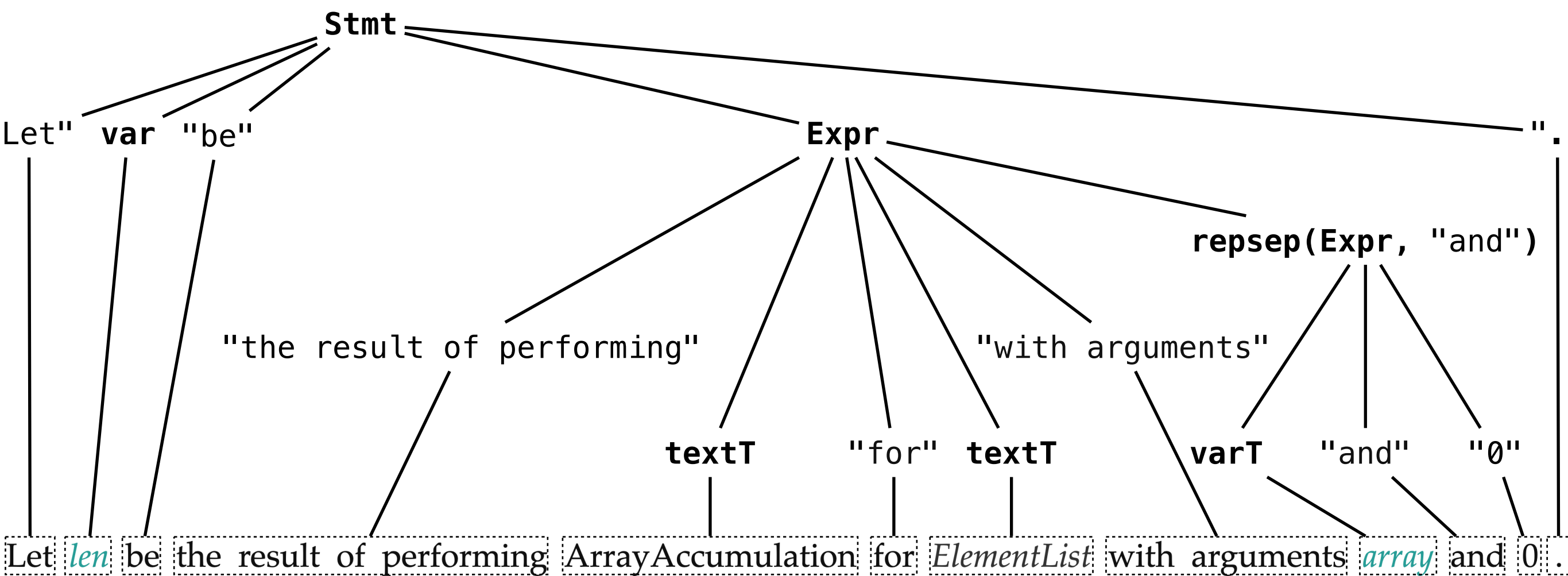


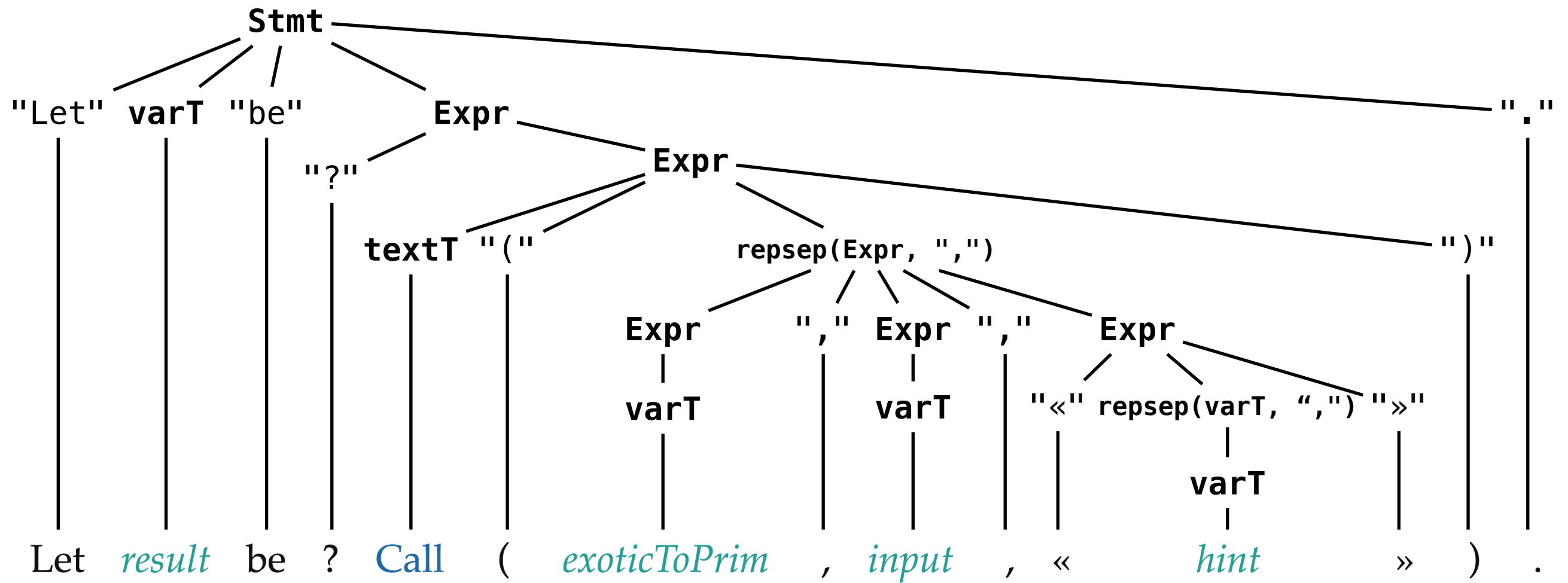
Perform `Set(array, "length", ToUint32(padding + len), false)`.

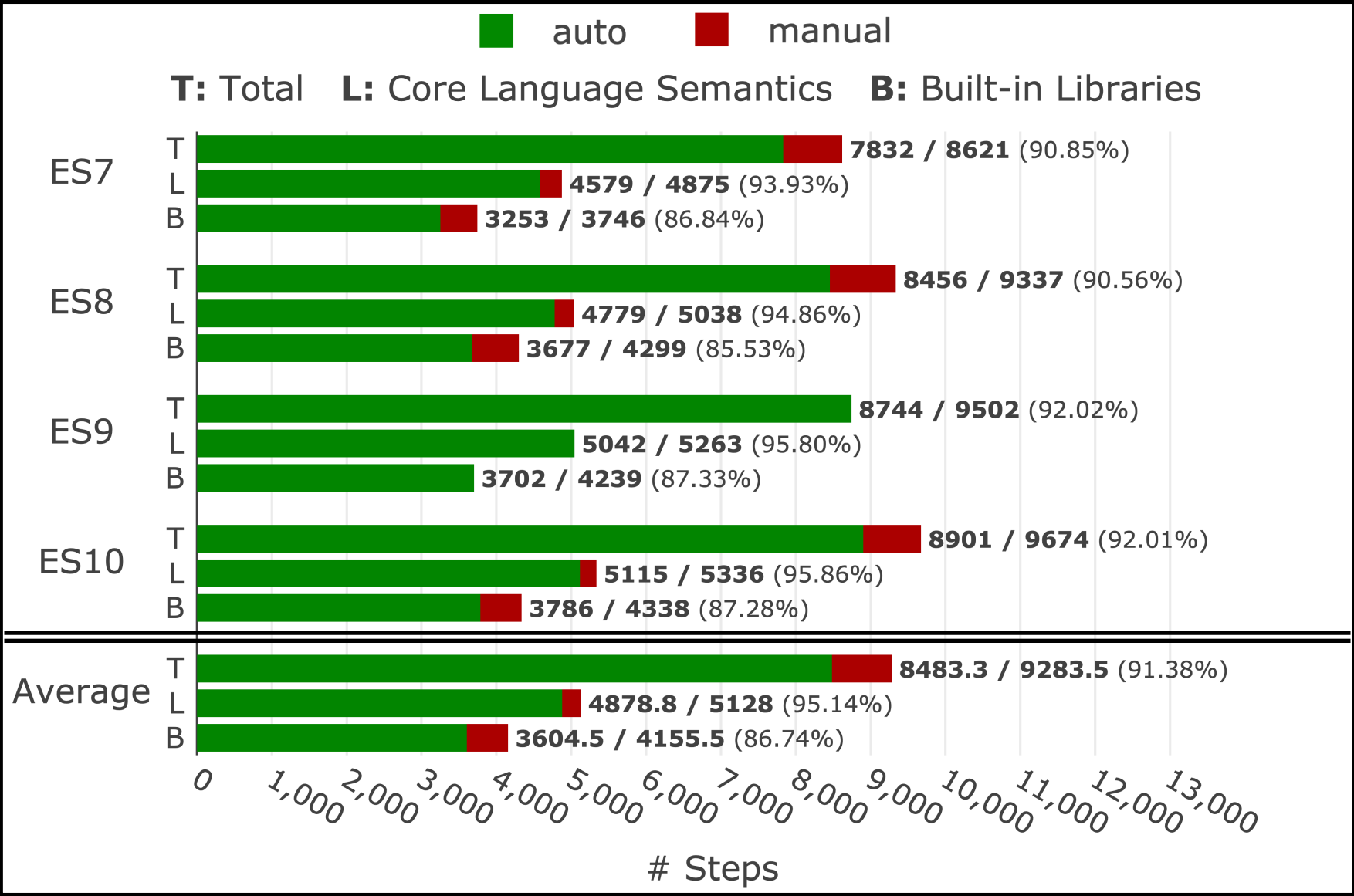


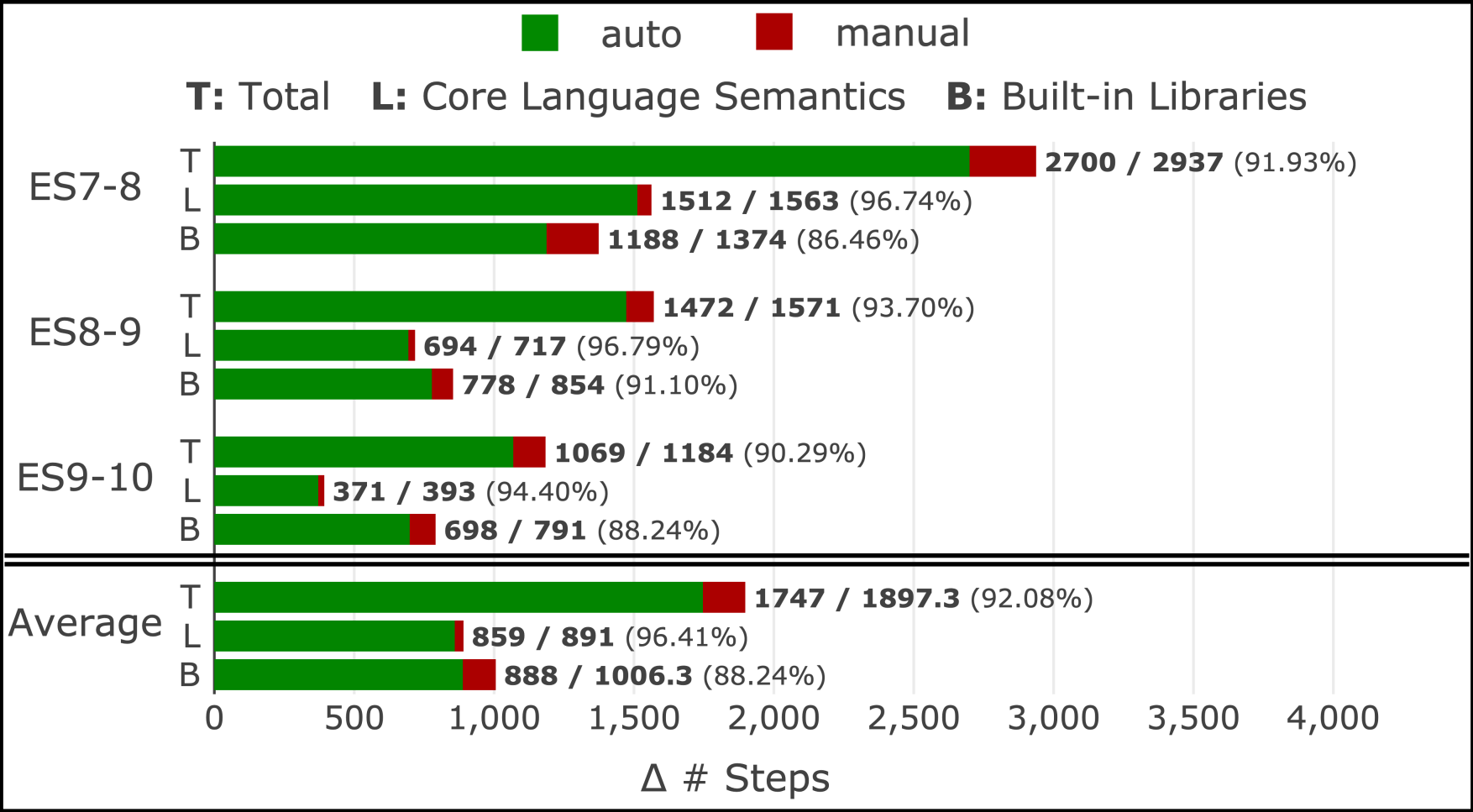
Let *result* be ? Call ( *exoticToPrim* , *input* , «



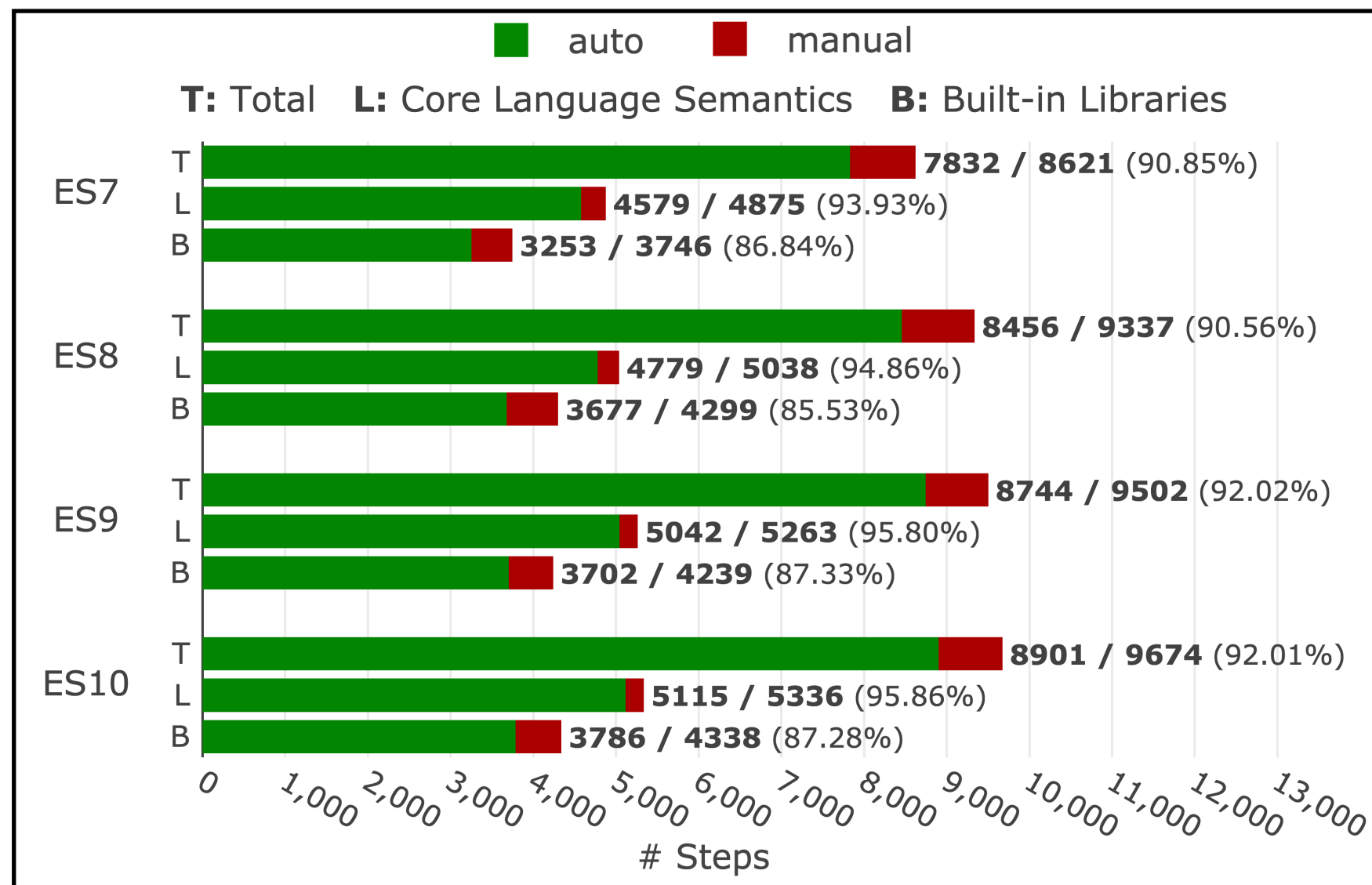




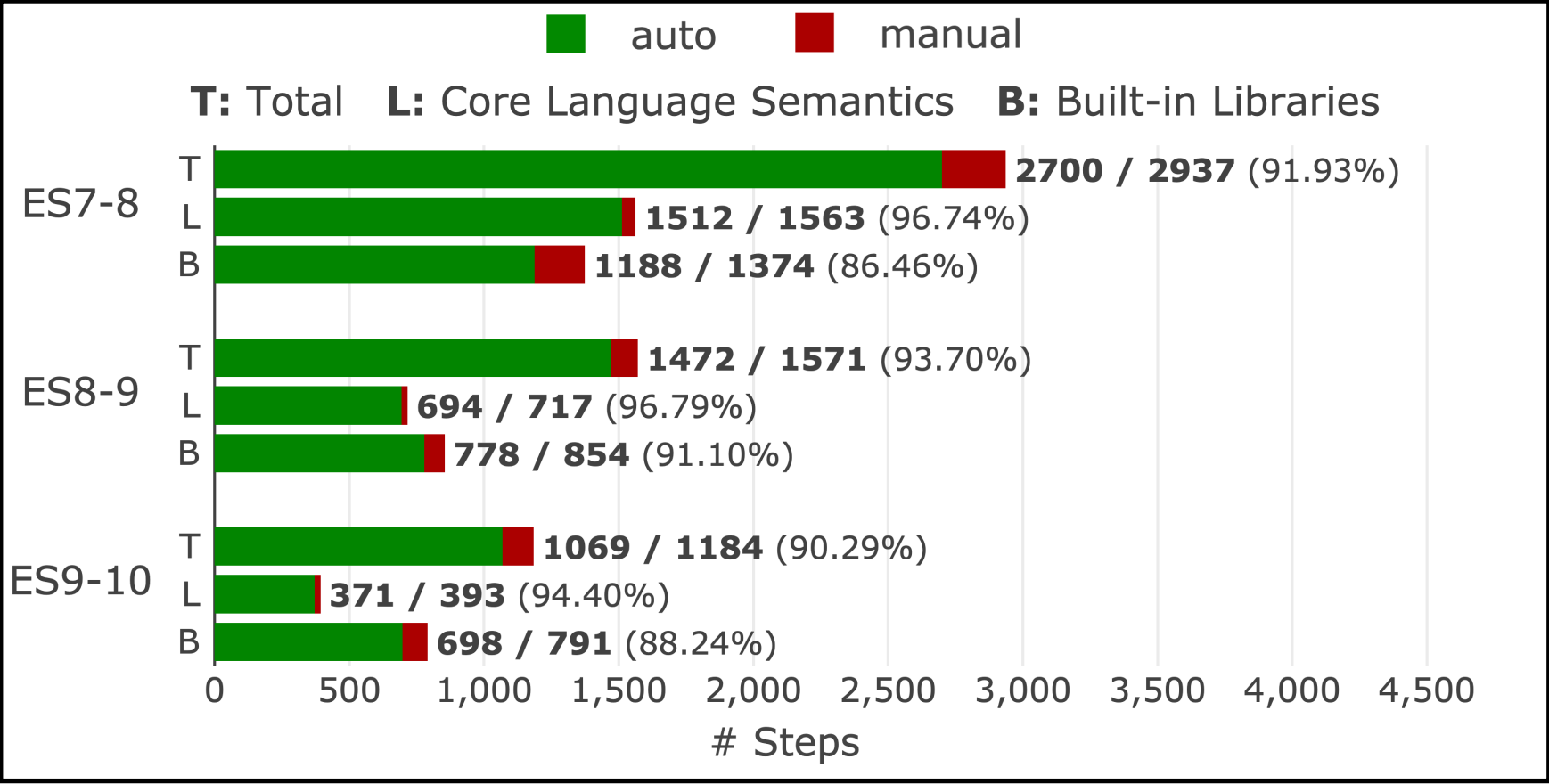






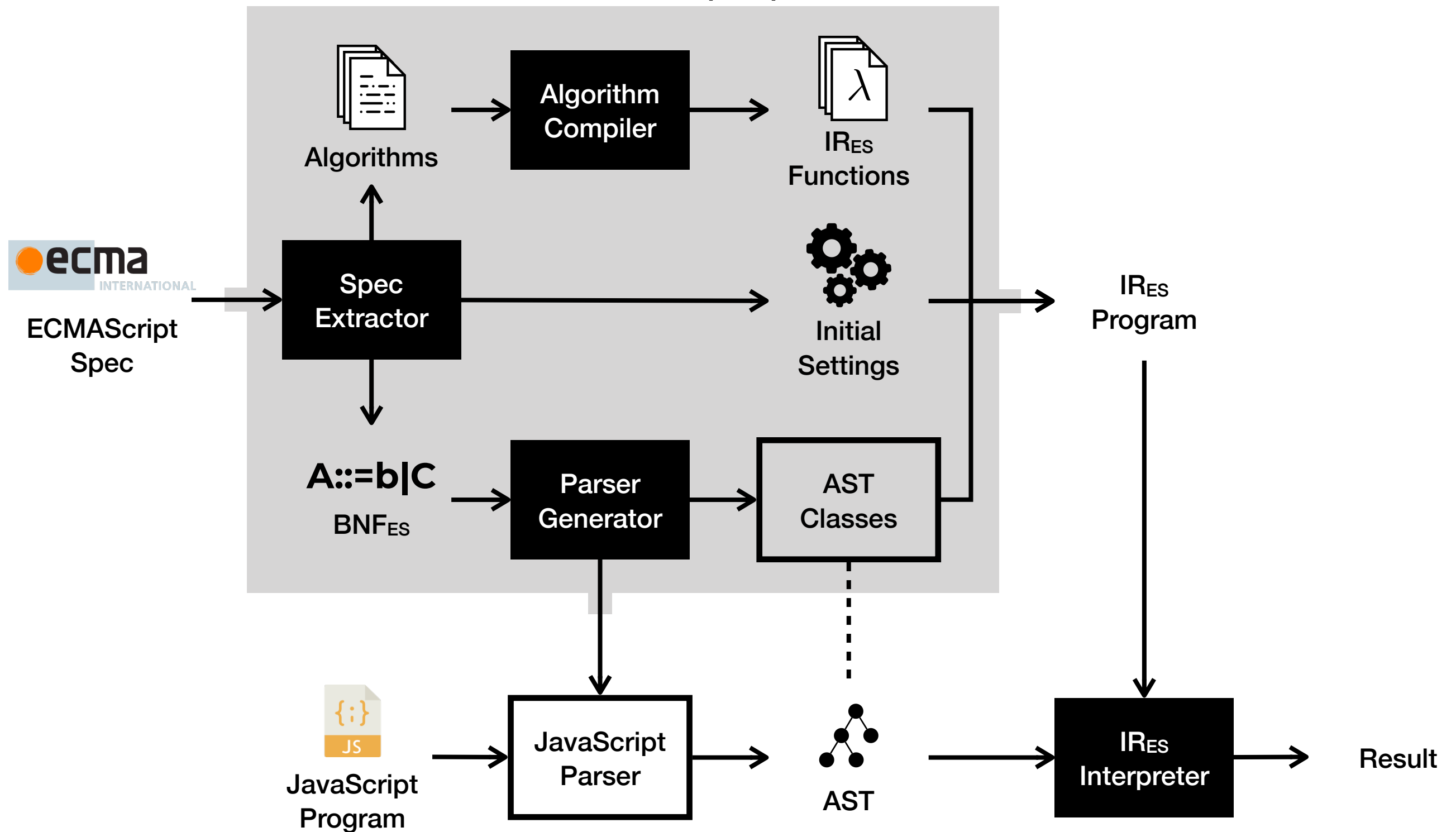








## Automatic Semantics Extractor (ASE)





ECMAScript  
Spec

Spec  
Extractor

manual

$A ::= b | C$

$BNF_{ES}$



Algorithms

Section 3

JS Parser  
Generator

Section 4

Algorithm  
Compiler

Compile  
Rules



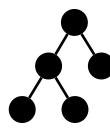
Initial  
Setting



$IR_{ES}$   
Functions

  
JavaScript  
Program

JavaScript  
Parser

  
JS AST

$IR_{ES}$   
Interpreter

Evaluation  
Result

